

Datasheet for ABIN3135292
KHDRBS1 Protein (AA 1-443) (His tag)



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1 Image

Overview

Quantity:	1 mg
Target:	KHDRBS1
Protein Characteristics:	AA 1-443
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KHDRBS1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA, Crystallization (Crys)

Product Details

Sequence: MQRRDDPASR LTRSSGRSCS KDPSGAHPSV RLTPSRPSPL PHRPRGGGGG PRGGARASPA
TQPPPLLPPS TPGPDATVVG SAPTPLLPPS ATA AVKMEPE NKYLPELMAE KDSLDPSTFH
AMQLLSVEIE KIQKGESKGD DEENYLDLFS HKNMCLKERV LIPVKQYPKF NFVKGILGPQ
GNTIKRLQEE TGAKISVLGK GSMRDKAKEE ELRKGDPKY AHLNMDLHV FIEVFGPPCEA
YALMAHAMEE VKKFLVPDMM DDICQEQFLE LSYLNGVPEP SRGRGVSVRG RGAAPPPPPV
PRGRGVGPPR GALVRGTPVR GSITRGATVT RGVPPPPTVR GAPTPRARTA GIQRIPLPPT
PAPETYEDYG YDDTYAEQSY EGYEGYYSQS QGESEYYDYG HGELQDSYEA YGQDDWNGTR
PSLKAPPARP VKGAYREHPY GRY

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

- Characteristics:
- Made in Germany - from design to production - by highly experienced protein experts.
 - Mouse Khdrbs1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process

Product Details

to ensure crystallization grade.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made to order protein and will be made for the first time for your order. Our experts in the lab will ensure that you receive a correctly folded protein.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receipt of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered.

The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
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Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
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Sterility:	0.22 µm filtered
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Endotoxin Level:	Protein is endotoxin free.
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Grade:	Crystallography grade
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Target Details

Target:	KHDRBS1
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Alternative Name:	Khdrbs1 (KHDRBS1 Products)
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Target Details

Background:	Recruited and tyrosine phosphorylated by several receptor systems, for example the T-cell, leptin and insulin receptors. Once phosphorylated, functions as an adapter protein in signal transduction cascades by binding to SH2 and SH3 domain-containing proteins. Role in G2-M progression in the cell cycle. Represses CBP-dependent transcriptional activation apparently by competing with other nuclear factors for binding to CBP. Also acts as a putative regulator of mRNA stability and/or translation rates and mediates mRNA nuclear export. Positively regulates the association of constitutive transport element (CTE)-containing mRNA with large polyribosomes and translation initiation. May not be involved in the nucleocytoplasmic export of unspliced (CTE)-containing RNA species. {ECO:0000269 PubMed:12496368, ECO:0000269 PubMed:7512695, ECO:0000269 PubMed:9315629}.
Molecular Weight:	49.3 kDa Including tag.
UniProt:	Q60749
Pathways:	NF-kappaB Signaling , Neurotrophin Signaling Pathway , Autophagy

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCl, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)



Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process