Datasheet for ABIN7198283

TCN2 Protein (His tag)

Go to Product page

1 Image

Overview

Quantity:	50 µg
Target:	TCN2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TCN2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse TCN2 Protein (His Tag)
Sequence:	Met 1-Trp 430
Characteristics:	A DNA sequence encoding the mouse TCN2 (O88968) (Met 1-Trp 430) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	TCN2
Alternative Name:	TCN2 (TCN2 Products)
Background:	Background: Transcobalamin II, also known as TCN2 and TC II, is a plasma protein that binds cobalamin (Cbl, vitamin B12) as it is absorbed in the terminal ileum and distributes to tissues. The circulating transcobalamin II-cobalamin complex binds to receptors on the plasma

Target Details

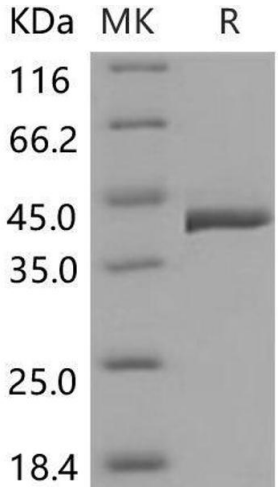
	membrane of tissue cells and is then internalized by receptor-mediated endocytosis. Transcobalamin II is a non-glycolated secretory protein of molecular mass 43 kDa. Its plasma membrane receptor (TC II-R) is a heavily glycosylated protein with a monomeric molecular mass of 62 kDa. Human TCN2 gene is composed of nine exons and eight introns spanning approximately 20 kb with multiple potential transcription start sites. A number of genetic abnormalities are characterized either by a failure to express TCN2 or by synthesis of an abnormal protein. The TCN2 deficiency results in cellular cobalamin deficiency, an early onset of megaloblastic anaemia, and neurological abnormalities. Synonym: AW208754,Tcn-2
Molecular Weight:	47 kDa
UniProt:	O88968

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting
Image 1.

