

Datasheet for ABIN5853449

TIMM8A/DDP Protein (AA 1-97) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	TIMM8A/DDP (TIMM8A)
Protein Characteristics:	AA 1-97
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMM8A/DDP protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMDS SSSS SAAGLGAVDP QLQHFIEVET QKQRFQQLVH QMTELCWEKC MDKPGPKLDS RAEACFVNCV ERFIDTSQFI LNRLEQTQKS KPVFSESLS D
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	TIMM8A/DDP (TIMM8A)
Alternative Name:	TIMM8A (TIMM8A Products)
Background:	TIMM8A is involved in the import and insertion of hydrophobic membrane proteins from the cytoplasm into the mitochondrial inner membrane. The gene is mutated in Mohr-Tranebjaerg syndrome/Deafness Dystonia Syndrome (MTS/DDS) and it is postulated that MTS/DDS is a mitochondrial disease caused by a defective mitochondrial protein import system. Defects in

Target Details

this gene also cause Jensen syndrome, an X-linked disease with opticoacoustic nerve atrophy and muscle weakness. This protein, along with TIMM13, forms a 70 kDa heterohexamer. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Recombinant human TIMM8A proten, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 13.4kDa (120aa) confirmed by MALDI-TOF

NCBI Accession: [NP_004076](#)

UniProt: [O60220](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

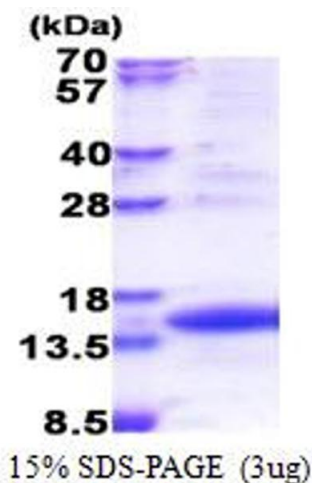
Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30 % glycerol, 1 mM DTT

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Images



SDS-PAGE

Image 1.