

Datasheet for ABIN7553686
DNAJC2 Protein (AA 1-621) (His tag)



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Overview

Quantity:	1 mg
Target:	DNAJC2
Protein Characteristics:	AA 1-621
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DNAJC2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DNAJC2 Protein expressed in mammalian cells.
Sequence:	<p>MLLLPSAADG RGTATHALT SASTLCQVEP VGRWFEAFVK RRRNRNASASF QELEDKKELS EESEDEELQL EEFPMKLTLD PKDWKNQDHY AVLGLGHVRY KATQRQIKAA HKAMVLKHHHP DKRKAAGEPI KEGDNDYFTC ITKAYEMLSD PVKRRAFNSV DPTFDNSVPS KSEAKDNFFE VFTPVFERNS RWSNKKNVPK LGDMNSSFED VDIFYSFWYN FDSWREFSYL DEEEKEKAEC RDERRWIEKQ NRATRAQRKK EEMNRIRTLV DNAYSCDPRI KKFKEEEKAK KEAEKKAKAE AKRKEQEAKE KQRQAELEAA RLAKEKEEEEE VRQQALLAKK EKDIQKKAIAK KERQKLRNSC KTNWHFSDNE AERVKMMEEV EKLCDRLELA SLQCLNETLT SCTKEVGKAA LEKQIEEINE QIRKEKEEAE ARMRQASKNT EKSTGGGGNG SKNWSDDLQ LLIKAVNLFP AGTNSRWEVI ANYMNIHSSS GVKRTAKDVI GKAKSLQKLD PHQKDDINKK AFDKFKKEHG VVPQADNATP SERFEGPYTD FTPWTTEEQK LLEQALKTYP VNTPERWEKI AEAVPGRTKK DCMKRYKELV EMVKAKKAAQ EQVLNASRAK K Sequence without tag. The proposed Purification-Tag is</p>

based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- 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 try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

DNAJC2

Alternative Name:

DNAJC2 ([DNAJC2 Products](#))

Background:

DnaJ homolog subfamily C member 2 (M-phase phosphoprotein 11) (Zuotin-related factor 1) [Cleaved into: DnaJ homolog subfamily C member 2, N-terminally processed],FUNCTION: Acts both as a chaperone in the cytosol and as a chromatin regulator in the nucleus. When cytosolic, acts as a molecular chaperone: component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, stimulates the ATPase activity of the ribosome-associated pool of Hsp70-type chaperones HSPA14 that bind to the nascent polypeptide chain. When nuclear, mediates the switching from polycomb-repressed genes to an active state: specifically recruited at histone H2A ubiquitinated at 'Lys-119' (H2AK119ub), and promotes the displacement of the polycomb PRC1 complex from chromatin, thereby facilitating transcription activation. {ECO:0000269|PubMed:15802566, ECO:0000269|PubMed:16002468,

Target Details

ECO:0000269|PubMed:21179169}.

Molecular Weight: 72.0 kDa

UniProt: [Q99543](#)

Pathways: [Chromatin Binding](#)

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition 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: 12 months