

Datasheet for ABIN7547057
DHX33 Protein (AA 1-707) (His tag)



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Overview

Quantity:	1 mg
Target:	DHX33
Protein Characteristics:	AA 1-707
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DHX33 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DHX33 Protein expressed in mammalian cells.
Sequence:	<p>MPEEAGFPPA KRFRPGSGPP SRAGSFPPGR QVVMLLTAGS GGRGGGGGRR QQPPLAQPSA SPYPEAVELQ RRSLPIFQAR GQLLAQLRNL DNAVLIGETG SGKTTQIPQY LYEGGISRQG IIAVTQPRRV AAISLATRVS DEKRTELGKL VGYTVRFDDV TSEDTRIKFL TDGMMLLREAI SDSLLRKYSC VILDEAHERT IHTDVLFGVV KAAQKRRKEL GKLPLKVIVM SATMDVDLFS QYFNGAPVLY LEGRQHPIQV FYTKQPQNDY LHAALVSVFQ IHQEAPSSQD ILVFLTGQEE IEAMSKTCRD IAKHLPDGCP AMLVLPLYAS LPYAQQLRVF QGAPKGYRKV IISTNIAETS ITITGIKYVV DTGMVKAKKY NPDSGLEVLA VQRVSKTQAW QRTGRAGRED SGICYRLYTE DEFKFKDKMT VPEIQRNLA SVMLQLLAMK VPNVLTFDFM SKPSPDHIQA AIAQLDLLGA LEHKDDQLTL TPMGRKMAAF PLEPKFAKTI LMSPKFHCTE EILTIVSLLS VDSVLHNPPS RREEVQGVRK KFISSEGDHM TLLNIYRTEK NLGGNKDWCK ENFVNSKNMT LVAEVRAQLR DICKMSMPI ASSRGDVESV RRCLAHSLFM STAELQPDGT YATTDTHQPV AIHPSSVLFH CKPACVVYTE LLYTNKCYMR DLCVIDAQWL YEAPEYFRR KLRTARN Sequence without tag.</p>

Product Details

The proposed Purification-Tag is 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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: DHX33

Alternative Name: DHX33 ([DHX33 Products](#))

Background: ATP-dependent RNA helicase DHX33 (EC 3.6.4.13) (DEAH box protein 33),FUNCTION: Implicated in nucleolar organization, ribosome biogenesis, protein synthesis and cytoplasmic dsRNA sensing (By similarity) (PubMed:21930779, PubMed:23871209, PubMed:26100019). Stimulates RNA polymerase I transcription of the 47S precursor rRNA. Associates with ribosomal DNA (rDNA) loci where it is involved in POLR1A recruitment (PubMed:21930779). In the cytoplasm, promotes elongation-competent 80S ribosome assembly at the late stage of mRNA translation initiation (PubMed:26100019). Senses cytosolic dsRNA mediating NLRP3 inflammasome formation in macrophages and type I interferon production in myeloid dendritic

Target Details

cells (PubMed:23871209). Required for NLRP3 activation induced by viral dsRNA and bacterial RNA (PubMed:23871209). In dendritic cells, required for induction of type I interferon production induced by cytoplasmic dsRNA via the activation of MAPK and NF-kappa-B signaling pathways (By similarity). {ECO:0000250|UniProtKB:Q80VY9, ECO:0000269|PubMed:21930779, ECO:0000269|PubMed:23871209, ECO:0000269|PubMed:26100019}.

Molecular Weight: 78.9 kDa

UniProt: [Q9H6R0](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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