Datasheet for ABIN7553704

DHX15 Protein (AA 1-795) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	DHX15
Protein Characteristics:	AA 1-795
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DHX15 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DHX15 Protein expressed in mammalian cells.
Sequence:	MSKRHRLDLG EDYPSGKKRA GTDGKDRDRD RDREDRSKDR DRERDRGDRE REREKEKEKE LRASTNAMLI SAGLPPLKAS HSAHSTHSAH STHSTHSAHS THAGHAGHTS LPQCINPFTN LPHTPRYYDI LKKRLQLPVW EYKDRFTDIL VRHQSFVLVG ETGSGKTTQI PQWCVEYMRS LPGPKRGVAC TQPRRVAAMS VAQRVADEMD VMLGQEVGYS IRFEDCSSAK TILKYMTDGM LLREAMNDPL LERYGVIILD EAHERTLATD ILMGVLKEVV RQRSDLKVIV MSATLDAGKF QIYFDNCPLL TIPGRTHPVE IFYTPEPERD YLEAAIRTVI QIHMCEEEEG DLLLFLTGQE EIDEACKRIK REVDDLGPEV GDIKIIPLYS TLPPQQQQRI FEPPPPKKQN GAIGRKVVVS TNIAETSLTI DGVVFVIDPG FAKQKVYNPR IRVESLLVTA ISKASAQQRA GRAGRTRPGK CFRLYTEKAY KTEMQDNTYP EILRSNLGSV VLQLKKLGID DLVHFDFMDP PAPETLMRAL ELLNYLAALN DDGDLTELGS MMAEFPLDPQ LAKMVIASCD YNCSNEVLSI TAMLSVPQCF VRPTEAKKAA DEAKMRFAHI DGDHLTLLNV YHAFKQNHES VQWCYDNFIN YRSLMSADNV RQQLSRIMDR FNLPRRSTDF TSRDYYINIR KALVTGYFMQ VAHLERTGHY LTVKDNQVVQ LHPSTVLDHK

Product Details

	PEWVLYNEFV LTTKNYIRTC TDIKPEWLVK IAPQYYDMSN FPQCEAKRQL DRIIAKLQSK EYSQY **Sequence without tag. 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:	DHX15
Alternative Name:	DHX15 (DHX15 Products)
Background:	ATP-dependent RNA helicase DHX15 (EC 3.6.4.13) (ATP-dependent RNA helicase #46) (DEAH box protein 15) (Splicing factor Prp43) (hPrp43),FUNCTION: RNA helicase involved in mRNA processing and antiviral innate immunity (PubMed:19432882, PubMed:19103666, PubMed:32179686, PubMed:24990078, PubMed:24782566, PubMed:34161762). Pre-mRNA processing factor involved in disassembly of spliceosomes after the release of mature mRNA (PubMed:19103666). In cooperation with TFIP11 seem to be involved in the transition of the U2, U5 and U6 snRNP-containing IL complex to the snRNP-free IS complex leading to efficient

Target Details

	debranching and turnover of excised introns (PubMed:19103666). Plays a key role in antiviral innate immunity by promoting both MAVS-dependent signaling and NLRP6 inflammasome (PubMed:24990078, PubMed:24782566, PubMed:34161762). Acts as an RNA virus sensor: recognizes and binds viral double stranded RNA (dsRNA) and activates the MAVS-dependent signaling to produce interferon-beta and interferon lambda-3 (IFNL3) (PubMed:24990078, PubMed:24782566, PubMed:34161762). Involved in intestinal antiviral innate immunity together with NLRP6: recognizes and binds viral dsRNA and promotes activation of the NLRP6 inflammasome in intestinal epithelial cells to restrict infection by enteric viruses (PubMed:34161762). The NLRP6 inflammasome acts by promoting maturation and secretion of IL18 in the extracellular milieu (PubMed:34161762). Also involved in antibacterial innate immunity by promoting Wnt-induced antimicrobial protein expression in Paneth cells (By similarity). {ECO:0000250|UniProtKB:O35286, ECO:0000269|PubMed:19103666, ECO:0000269|PubMed:19432882, ECO:0000269|PubMed:24782566, ECO:0000269|PubMed:24990078, ECO:0000269|PubMed:32179686, ECO:0000269|PubMed:34161762}.
Molecular Weight:	90.9 kDa
UniProt:	O43143

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