

Datasheet for ABIN7553705
DHX29 Protein (AA 1-1369) (His tag)



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Overview

Quantity:	1 mg
Target:	DHX29
Protein Characteristics:	AA 1-1369
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DHX29 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant DHX29 Protein expressed in mammalian cells.
Sequence:	MGGKNKKHKA PAAAVVRAAV SASRAKSAEA GIAGEAQSKK PVS RPATAAA AAAGSREPRV KQGPKIYSFN STNDSSGPAN LDKSILKVVI NNKLEQRIIG VINEHKKQNN DKGMISGRLT AKKLQDLYMA LQAFSFKTKD IEDAMTNTLL YGGDLHSALD WLCLNLSDDA LPEGFSQEFE EQQPKSRPKF QSPQIQATIS PPLQPKTKTY EEDPKSKPKK EEKNMEVNMK EWILRYAEQQ NEEEKNENSK SLEEEEFKDP NERYLHLAAK LLDAKEQAAT FKLEKNKQGQ KEAQEKIRKF QREMETLEDH PVFNPAMKIS HQQNERKKPP VATEGESALN FNLFEKSAAA TEEEDKKKKE PHDVRNFDYT ARSWTGKSPK QFLIDWVRKN LPKSPNPSFE KVPVGRYWKC RVRVIKSEDD VLVVCPTILT EDGMAQHLG ATLALYRLVK GQSVHQLLPP TYRDVWLEWS DAEKKREELN KMETNKPRDL FIAKLLNKLK QQQQQQQHS ENKRENSED P EESWENLVSD EDFSALSLES ANVEDLEPVR NLFRLQSTP KYQKLLKERQ QLPVFKHRDS IVETLKRHRV VVAGETGSG KSTQVPHFLL EDLLLNEWEA SKCNIVCTQP RRISAVSLAN RVCDELGCEN GPGGRNSLCG YQIRMESRAC ESTRLLYCTT GVLLRKLQED GLLSNVSHVI VDEVHERSVQ SDFLLIILKE

ILQKRSDLHL ILMSATVDSE KFSTYFTHCP ILRISGRSYP VEVFHLEDII EETGFVLEKD
SEYCQKFLLEE EEEVTINVTS KAGGIKKYQE YIPVQTGAHA DLNPFYQKYS SRTQHAILYM
NPHKINLDLI LELLAYLDKS PQFRNIEGAV LIFLPGLAHI QQLYDLLSND RRFYSERYKV
IALHSILSTQ DQAAAFTLPP PGVRKIVLAT NIAETGITIP DVVFDVITGR TKENKYHESS
QMSSLVETFV SKASALQRQG RAGRVRDGFV FRMYTRERFE GFMDYSVPEI LRVPLEELCL
HIMKCNLGGP EDFLSKALDP PQLQVISNAM NLLRKIGACE LNEPKLTPLG QHLAALPVNV
KIGKMLIFGA IFGCLDPVAT LAAVMTEKSP FTTPIGRKDE ADLAKSALAM ADSDHITIYN
AYLGWKKARQ EGGYRSEITY CRRNFLNRYS LLTLEDVKQE LIKLVKAAGF SSSTTSTSWE
GNRASQTLSE QEIALLKAVL VAGLYDNVVK IYTKSVDVT EKLACIVETA QGKAQVHPSS
VNRDLQTHGW LLYQEIRYA RVYLRETTLI TPFPVLLFGG DIEVQHRERL LSLDGIWYFQ
APVKIAVIFK QLRVLIDSVL RKKLENPKMS LENDKILQII TELIKTENN **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:	DHX29
Alternative Name:	DHX29 (DHX29 Products)
Background:	ATP-dependent RNA helicase DHX29 (EC 3.6.4.13) (DEAH box protein 29) (Nucleic acid helicase DDXx),FUNCTION: ATP-binding RNA helicase involved in translation initiation. Part of the 43S pre-initiation complex that is required for efficient initiation on mRNAs of higher eukaryotes with structured 5'-UTRs by promoting efficient NTPase-dependent 48S complex formation. Specifically binds to the 40S ribosome near the mRNA entrance. Does not possess a processive helicase activity. {ECO:0000255 HAMAP-Rule:MF_03068, ECO:0000269 PubMed:19109895, ECO:0000269 PubMed:23706745}.
Molecular Weight:	155.2 kDa
UniProt:	Q7Z478

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