

Product datasheet for TP308227

DHX29 (NM_019030) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAH (Asp-Glu-Ala-His) box polypeptide 29 (DHX29), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208227 protein sequence Red=Cloning site Green=Tags(s)

MGGKNKKHKAPAAAVVRAAVSASRAKSAEAGIAGEAQSKKPVSRPATAAAAAAGSREPRVKQGPKIYSFN
STNDSSGPANLDKSILKVVINKLEQRIIGVINEHKKQNNDKGMISGRLTAKKLQDLYMALQAFSFKTKD
IEDAMTNTLLYGDLHSALDWLCLNLSDDALPEGFSQEFEEQPKSRPKFQSPQIQATISPLQPKTKTY
EEDPKSKPKKEKNMEVNMKEWILRYAEQQNEEEKNENSKSLEEEEFDPNERYLHLLAAKLLDAKEQAAT
FKLEKNKQGQKEAQEKIRKFQREMETLEDHPVFNAMPKISHQQNERKKPPVATEGESALNFNLFKSA
TEEEKDKKKEPHDVRNFDYTARSWTGKSPKQFLIDWVRKNLPSNPSEKVPVGRYWKCRVRVIKSEDD
VLVVCPTILTEDGMQAQHLGATLALYRLVKGQSVHQLLPPTYRDVWLEWSDAEKKREELNKMETNKP
FIKLLNKLKQQQQQQQHSENKRENSEDPEESWENLVSEDFALSLESANVEDLEPVRNLFKRLQSTP
KYQKLLKERQQLPVFKHRDSIVETLKRHRVWVAGETGSGKSTQVPHFLEDLLLNEWEASKNIVCTQH
RRISAVSLANRVCELGCEGPGGRNSLCGYQIRMESRACESTRLLYCTTGVLRLKQEDGLLSNVSHVI
VDEVHERSVQSDFLILKEILQKRSDLHLILMSATVDSEKFSYFTHCPILRISGRSYPVEVFHLEDII
EETGVFLEKDSEYQKFLSEEEVTVINVTSKAGGIKKYQYIPVQTGAHADLNPFYQKYSRTQHAILYM
NPHKINLDLILELLAYLDKSPQFRNIEGAVLIFLPLGLAHIQQLYDLLSNDRRFYSERYKVIALLHSILSTQ
DQAAAFTLPPPGVRKIVLATNIAETGITIPDVVFVIDTGRTKENKYHESSQMSSLVETVFSKASALQRQG
RAGRVRDGF CFRMYTRERFEGFMDYSVPEILRVPLEELCLHIMKCNLGSPEDFLSKALDPPQLQVISNAM
NLLRKIGACELNEPKLTPLGQHLLAALPVNVKIGKMLIFGAIFGCLDPVATLAAVMTEKSPFTTPIGRKDE
ADLAKSALAMADSDHLTIYNAYLGWKKARQEGGRSEITYCRRNFLNRTSLLTLEDVKQELIKLVKAAGF
SSSTTSTSWEGNRASQTLFSQEIALLKAVLVAGLYDNVGIKIIYTKSVDVTEKLACIVETAQGKAQVHPSS
VNRDLQTHGWLLYQEKIRYARVYLRETTLITPPVLLFGGDIEVQHRERLLSIDGWYFQAPVKIAVIFK
QLRVLIDSVLRKKLENPKMSLENDKILQIITELIKTENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

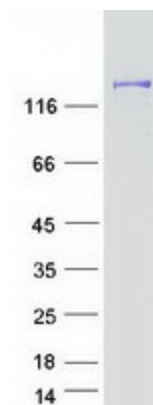
Tag:	C-Myc/DDK
Predicted MW:	155.1 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_061903
Locus ID:	54505
UniProt ID:	Q7Z478
RefSeq Size:	4491
Cytogenetics:	5q11.2
RefSeq ORF:	4107
Synonyms:	DDX29
Summary:	This gene encodes a member of the DEAH (Asp-Glu-Ala-His) subfamily of proteins, part of the DEAD (Asp-Glu-Ala-Asp) box family of RNA helicases. The encoded protein functions in translation initiation, and is specifically required for ribosomal scanning across stable mRNA secondary structures during initiation codon selection. This protein may also play a role in sensing virally derived cytosolic nucleic acids. Knockdown of this gene results in reduced protein translation and impaired proliferation of cancer cells. [provided by RefSeq, Sep 2016]

Product images:



Coomassie blue staining of purified DHX29 protein (Cat# TP308227). The protein was produced from HEK293T cells transfected with DHX29 cDNA clone (Cat# [RC208227]) using MegaTran 2.0 (Cat# [TT210002]).