

Product datasheet for PH308227

DHX29 (NM_019030) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DHX29 MS Standard C13 and N15-labeled recombinant protein (NP_061903)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208227
Predicted MW:	155.3 kDa
Protein Sequence:	>RC208227 protein sequence Red =Cloning site Green =Tags(s)

MGGKNKKHKAPAAAVVRAAVSASRAKSAEAGIAGEAQSKKPVSRPATAAAAAAGSREPRVKQGPKIYSFN
 STNDSSGPANLDKSIKVVINNKLQRIIGVINEHKKQNNDKGMISGRLTAKKLQDLYMALQAFSFKTKD
 IEDAMTNTLLYGGDLHSALDWLCLNLSDDALPEGFSQEFEEQQPKSRPKFQSPQIQATISPLQPKTKTY
 EEDPKSKPKKEKNMEVNMKEWILRYAEQQNEEKNENSKSLEEEEFDPNERYLHLAAKLLDAKEQAAT
 FKLEKNKQGQKEAQEKIRKFQREMETLEDHPVFNPAWKISHQQNERKKPPVATEGESALNENLFEKSAAA
 TEEEEKDKKKEPHDVRNFDYTARSWTGKSPKQFLIDWVRKNLPSKPNPSFEKVPVGRYWKCRVRVIKSEDD
 VLVVCPITLITEDGMQAQHLGATLALYRLVKGQSVHQLLPPTYRDVWLEWSDAEKKREELNKMETNKPRL
 FIAKLLNKLKQQQQQQQHSNENKRENSDPEESWENLVSEDFALSLESANVEDLEPVNLFRLQSTP
 KYQKLLKERQQLPVFKHRDSIVETLKRHRVVVAGETGSGKSTQVPHFLLEDLLNEWEASKCNIVCTQH
 RRISSAVSLANRVDELGCENGPGRNSLCGYQIRMESRACESTRLLYCTTGVLRLKQEDGLLSNVSHVI
 VDEVHERSVQSDFLLIILKEILQKRSDLHLILMSATVDSEKFSYFTHCPILRISGRSYPVEVFHLEDII
 EETGFVLEKDSEYQKFLSEEEVETINVTSKAGGIKKYQYIPVQTGAHADLNPFYQKYSRTQHAILYM
 NPHKINLDLILELLAYLDKSPQFRNIEGAVLIFLPGLAHIQQLYDLLSNDRRFYSEYKVIKALHSILSTQ
 DQAAAFITLPPPGVRKIVLATNIAETGITIPDVVFVIDTGRTKENKYHESQMSLVETFVSKASALQRQG
 RAGRVRDGF CFRMYTRERFEGFMDYSVPEILRVPLEELCLHIMKCNLGSPEDFLSKALDPPQLQVISNAM
 NLLRKIGACELNEPKLTPLGQHLAALPVNVKIGKMLIFGAIFGCLDPVATLAAMVTEKSPFTTPIGRKDE
 ADLAKSALAMADSDHLTIYNAYLGWKKARQEGGYRSEITYCRRNFLNRTSLLTLEDVKQELIKLVKAAGF
 SSSTTSTSWEGNRASQTLFSQEIALLKAVLVAGLYDNVGKIIYTKSVDTVTEKLACIVETAQGAQVHPSS
 VNRDLQTHGWLLYQEKIRYARVYLRETTLITPFPVLLFGGDIQVHRERLLSIDGWIYFQAPVKIAVIFK
 QLRVLIDSVLRKKLENPKMSLENDKILQIITELIKTENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

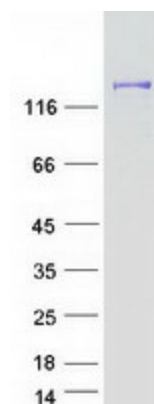
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_061903
RefSeq Size:	4491
RefSeq ORF:	4107
Synonyms:	DDX29
Locus ID:	54505
UniProt ID:	Q7Z478
Cytogenetics:	5q11.2
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]).