

Product datasheet for **TP308769**

DDX1 (NM_004939) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 (DDX1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC208769 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAAFSEMGMPEIAQAVEEMDWLLPTDIQAESIPLILGGGDVLMMAETGSGKTGAFSIPVIQIVYETLKD
QQEGKKGKTTIKTGASVLNKWQMNPYDRGSAFAIGSDGLCCQSREVKWHGCRATKGLMKGKHYEVSCH
DQGLCRVGWSTMQASLDLGTDFGFGFGGTGKKSHNKQFDNYGEEFTMHDITIGCYLDIDKGHVFKSKNGK
DLGLAFEIPPHMKNQALFPACVLKNAELKFNFGEEEFKFPKDGVALSKAPDGYIVKSQHSNAQVTQT
KFLPNAPKALIVEPSRELAEQTLNNIKQFKKYIDNPKLRELLIIGGVAARDQLSVLENGVDIVGTPGRL
DDLVTGKLNLSQVRFLVLEADGLLSQGYSDFINRMHNQIPQVTS DGKRLQVIVCSATLH SFDVKKLSE
KIMHFPTWVDLKGEDSVPD TVHHVVVPVNPKTDRLWERLGKSHIRTD DVHAKDNTRPGANSPEMWSEAIK
ILKGEYAVRAIKEHKMDQAIIFCRTKIDCDNLEQYFIQQGGPDKKGHQFSCVCLHGDRK PHERKQNLER
FKKGDVRFRICTDVAARGIDIHGVPYVINVTLPDEKQNYVHRIGRVGRAERMGLAISLVATEKEKVWYHV
CSSRGKGCYNTRLKEDGGCTIWYNEMQLLSEIEEHLNCTISQVEPDIKVPVDEFD GKVTY GQKRAAGGGS
YKGHVDILAPT VQELAALEKEAQT SFLHLG YLPNQLFRTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	82.3 kDa
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
Bioactivity:	Biolayer interferometry (BLI) assay (PMID: 25496916)
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.



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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_004930](#)

Locus ID: 1653

UniProt ID: [Q92499](#), [A3RJH1](#)

RefSeq Size: 2755

Cytogenetics: 2p24.3

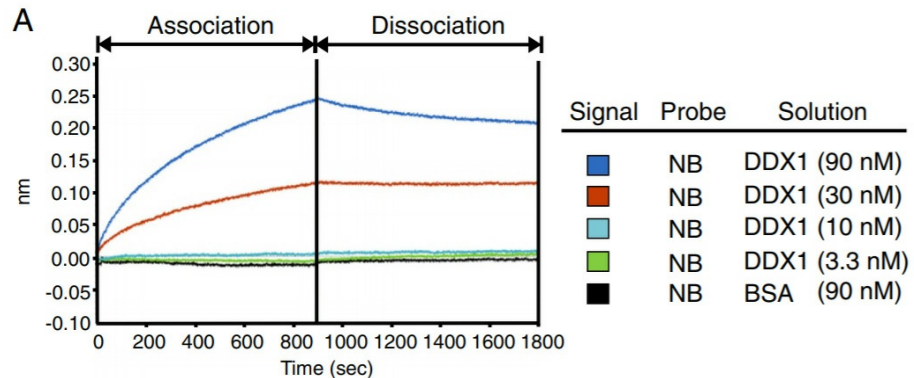
RefSeq ORF: 2220

Synonyms: DBP-RB; UKVH5d

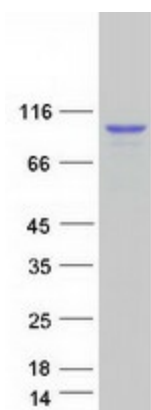
Summary: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



DDX1 interacts with Nullbasic in vitro, as measured by the Octet Red system. Biotinylated recombinant Nullbasic-FLAG-V5-6-His was bound to a streptavidin biosensor and applied to solutions containing 3.3, 10, 30 or 90 nM of human recombinant Myc-DDK-tagged DDX1 (OriGene TP308769). BSA served as a control. Figure cited from Retrovirology, PMID: 25496916



Coomassie blue staining of purified DDX1 protein (Cat# TP308769). The protein was produced from HEK293T cells transfected with DDX1 cDNA clone (Cat# [RC208769]) using MegaTran 2.0 (Cat# [TT210002]).