Active Recombinant Full Length Human DDX1 Protein, C-Flag-tagged

Cat. No. DDX1-356HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DDX1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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 that acts as an ATP-dependent RNA helicase that has been found to promote coronaviruses replication.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Biolayer interferometry (BLI) assay
Molecular Mass	82.3 kDa
AA Sequence	MAAFSEMGVMPEIAQAVEEMDWLLPTDIQAESIPLILGGGDVLMAAETGSGKTGAFS IPVIQIVYETLKD QQEGKKGKTTIKTGASVLNKWQMNPYDRGSAFAIGSDGLCCQSR

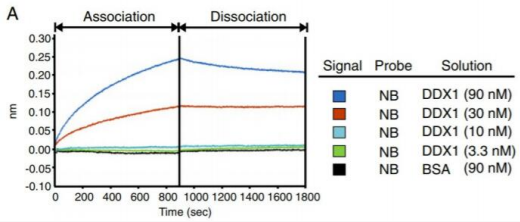
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	EVKEWHGCRATKGLMKGKHYYEVSCH DQGLCRVGWSTMQASLDLGTDKFGFGF GGTGKKSHNKQFDNYGEEFTMHDTIGCYLDIDKGHVKFSKNGK DLGLAFEIPPHMK NQALFPACVLKNAELKFNFGEEEFKFPPKDGFVALSKAPDGYIVKSQHSGNAQVTQ T KFLPNAPKALIVEPSRELAEQTLNNIKQFKKYIDNPKLRELLIIGGVAARDQLSVLEN GVDIVVGTPGRL DDLVSTGKLNLSQVRFLVLDEADGLLSQGYSDFINRMHNQIPQVT SDGKRLQVIVCSATLHSFDVKKLSE KIMHFPTWVDLKGEDSVPDTVHHVVVPVNPK TDRLWERLGKSHIRTDDVHAKDNTRPGANSPEMWSEAIK ILKGEYAVRAIKEHKMD QAIIFCRTKIDCDNLEQYFIQQGGGPDKKGHQFSCVCLHGDRKPHERKQNLER FKK GDVRFLICTDVAARGIDIHGVPYVINVTLPDEKQNYVHRIGRVGRAERMGLAISLVAT EKEKVWYHV CSSRGKGCYNTRLKEDGGCTIWYNEMQLLSEIEEHLNCTISQVEPDI KVPVDEFDGKVTYGQKRAAGGGS YKGHVDILAPTVQELAALEKEAQTSFLHLGYLPNQLFRTFTRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

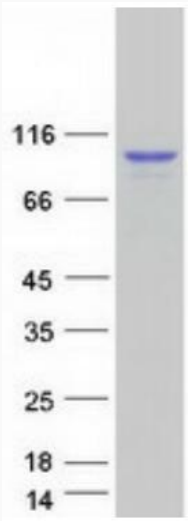
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GENE INFORMATION

Gene Name	DDX1 DEAD-box helicase 1 [Homo sapiens (human)]
Official Symbol	DDX1
Synonyms	DBP-RB; UKVH5d
Gene ID	1653
mRNA Refseq	NM_004939.3
Protein Refseq	NP_004930.1
MIM	601257
UniProt ID	Q92499



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. BSA served as a control.



Coomassie blue staining of purified DDX1 protein.

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