

## Product datasheet for TP317615

### DDX58 (NM\_014314) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217615 representing NM_014314 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTTEQRRSLQAFQDYIRKTLDPTYILSYMAPWFREEEVQYIQA EKNNKGPMEAATFLKFLLELQEEGWF  
RGFLDALDHAGYSGLYEAIESWDFKKIEKLEEYRLLLKRLQPEFKTRIIPTDIISDLSECLINQECEIL  
QICSTKGMMAGA EKLV ECLLRSDKENWPKTLKLALEKERNKFSELWIVEKGIKDVETEDLEDKMETSDIQ  
IFYQEDPECQNLSENSCPPSEVSDTNLYSPFKPRNYQLELALPAMKGKNTIICAPTGCGKTFVSLICEH  
HLKKFPQGQKGVVFFANQIPVYEQQKSVFSKYFERHGYRVTGISGATAENVPVEQIVENNDIIILTPQI  
LVNNLKKGTIPSLSIFTLMI FDECHNTSKQHPYNMIMFNLYDQKLGSSGPLPQVIGLTASVGVGDAKNT  
DEALDYICKLCASLDASVIATVKHNLEELEQVYKPKFFRKVESRISDKFKYIIAQLMRDTESLAKRIC  
KDLENLSQIQNREFGTQKYEQWIVTVQACMVFPMPDKDEESRICKALFLYTSHLRKYNDALIIEHARM  
KDALDYLDKDFFSNVRAAGFDEIEQDLTQRFEELQLEESVSRDPSNENPKLEDLCFILQEEYHLNPETIT  
ILFVKTRALVDALKNWIEGNPKLSFLKPGILTGRGKTNQNTGMTLPAQKCILDFAKASGDHNILIATSVA  
DEGIDIAQCNLVILYEVGNVIKMIQTRGRGRARGSKCFLLTSNAGVIEKEQINMYKEKMMNDSILRLQT  
WDEAVFREKILHIQTHEKFIRDSQEKPKPVPDKENKLLCRKCKALACYTADVRVIEECHYTVLGD AFKE  
CFVSRPHPKPKQFSSF EKRAKIFCARQNC SHDWGIHVKYKTFEIPVIKIESFVVEDIATGVQTLYSKWKD  
FHF EKIPFDP AEMSK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	106.4 kDa
Concentration:	>0.1 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.

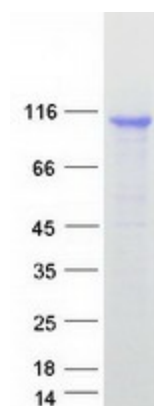


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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055129</a>
<b>Locus ID:</b>	23586
<b>UniProt ID:</b>	<a href="#">O95786</a>
<b>RefSeq Size:</b>	4372
<b>Cytogenetics:</b>	9p21.1
<b>RefSeq ORF:</b>	2775
<b>Synonyms:</b>	RIG-I; RIG1; RIGI; RLR-1; SGMRT2
<b>Summary:</b>	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. This gene encodes a protein containing RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the regulation of the antiviral innate immune response. Mutations in this gene are associated with Singleton-Merten syndrome 2. [provided by RefSeq, Aug 2020]

**Protein Pathways:** Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified DDX58 protein (Cat# TP317615). The protein was produced from HEK293T cells transfected with DDX58 cDNA clone (Cat# [RC217615]) using MegaTran 2.0 (Cat# [TT210002]).