

Product datasheet for TP317615M

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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217615 representing NM_014314 Red=Cloning site Green=Tags(s)

MTTEQRRLQAFQDYIRKTLDPTYILSYMAPWFREEEVQYIQA EKNNKGPMEAATLFLKFLLELQEEGWF
 RGFLDALDHAGYSGLYEAIESWDFKKIEKLEEYRLLKRLQPEFKTRIIPTDIISDLSECLINQCECEIL
 QICSTKGMAGAEKLVECLLRSDKENWPKTLKLALEKERNKFSELWIVEKGIKDVETEDLEDKMETSDIQ
 IFYQEDPECQNLSENCPPEVSDTNLYSPFKPRNYQLELALPAMKGNKIICAPTGCCKTFVSLICEH
 HLKFKPQGQKGVVFFANQIPVYEQQKSVFSKYFERHGYRVTGISGATAENVPVEQIVENNDIIILTPQI
 LVNNLKKG TIPSLSIFTLMIFDECHNTSKQHPYNMIMFNLDQKLGSSGPLPQVIGLTASVGVGDAKNT
 DEALDYICKLCASLDASVIATVKHNLEEQVYKPKQFFRKVESRISDKFKYIIAQLMRD TESLAKRIC
 KDLNLSQIQNREFGTQKYEQWIVTVQACMV FQMPDKDEESRICKALFLYTSHLRKYNDALISEHARM
 KDALDYLDKDFFSNVRAAGFDEIEQDLTQRFEELQELSVSRDPSNENPKLEDLCFILQEEYHLNPETIT
 ILFVKTRALVDALKNWIEGNPKLSFLKPGILTGRGKTNQNTGMTLPAQK CILDAFKASGDHNILIATSVA
 DEGIDIAQCNLVILYEYVGNVIKMIQTRGRGRARGSKCFLLSNAGVIEKEQINMYKEKMMNDSILRLQT
 WDEAVFREKILHIQTHEKFIRDSQEKPVPDPKENKLLCRKCKALACYTADVRVIEECHYTVLGD AFKE
 CFVSRPHPKPKQFSSF EKRAKIFCARQNC SHDWGIHVKYKTFEIPVIKIESFVVEDIATGVQTLYSKWKD
 FHF EKIPFDPAEMSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

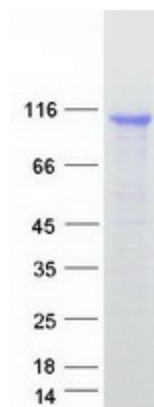
Tag:	C-Myc/DDK
Predicted MW:	106.4 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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_055129
Locus ID:	23586
UniProt ID:	O95786
RefSeq Size:	4372
Cytogenetics:	9p21.1
RefSeq ORF:	2775
Synonyms:	RIG-I; RIG1; RIGI; RLR-1; SGMRT2
Summary:	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]).