

## Product datasheet for **TP701134**

### DDX58 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), full length, 20ug
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC217615, encoding the full-length of DDX58
Tag:	C-DDK-His
Predicted MW:	106.4 kDa
Concentration:	>0.05 ug/ul as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	100 mM KCl, 6 mM MgCl <sub>2</sub> , 1 mM DTT, 10mM HEPES pH7.0 (+ 330 ug/ml Flag peptide),50% glycerine
Note:	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 12 months from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_055129.2</a>
Locus ID:	23586
UniProt ID:	<a href="#">O95786</a>
RefSeq Size:	4372
Cytogenetics:	9p21.1
RefSeq ORF:	2775
Synonyms:	RIG-I; RIG1; RIGI; RLR-1; SGMRT2



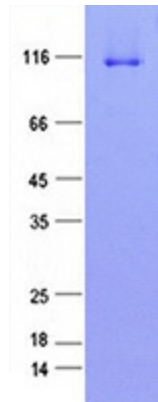
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**Summary:**

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:**

Purified recombinant protein DDX58 (R262W) was analyzed by SDS-PAGE gel and Coomassie Blue Staining.