

Recombinant Human DDX58, MYC/DDK-tagged

Cat. No. DDX58-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX58, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 immune response.
Molecular Mass	106.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	DDX58 DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 [Homo sapiens (human)]
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Official Symbol	DDX58
Synonyms	DDX58; RIGI; RIG-I; RLR-1; RIG-1; DEAD (Asp-Glu-Ala-Asp) box polypeptide 58; probable ATP-dependent RNA helicase DDX58; RNA helicase RIG-I; DEAD box protein 58; RIG-I-like receptor 1; retinoic acid inducible gene I; retinoic acid-inducible gene 1 protein; retinoic acid-inducible gene I protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; EC 3.6.4.13; DKFZp434J1111; FLJ13599
Gene ID	23586
mRNA Refseq	NM_014314
Protein Refseq	NP_055129
MIM	609631
UniProt ID	O95786
Chromosome Location	9p12
Pathway	Antiviral mechanism by IFN-stimulated genes; Cytokine Signaling in Immune system; Cytosolic DNA-sensing pathway; Epstein-Barr virus infection; Herpes simplex infection
Function	ATP binding; ATP-dependent helicase activity; double-stranded DNA binding; double-stranded RNA binding; identical protein binding; protein binding; single-stranded RNA binding; zinc ion binding