

Recombinant Human RNA sensor RIG-I Protein, His tagged

Cat. No. DDX58-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX58 Protein (724-925aa) with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	724-925aa
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 the antiviral innate immune response. Mutations in this gene are associated with Singleton-Merten syndrome 2.
Tag	C-His
Molecular Mass	25 kDa
AA Sequence	MIQTRGRGRARGSKCFLLSNAGVIEKEQINMYKEKMMNDSILRLQTWDEAVFREKI LHIQTHEKFIRDSQEKPKPVPDKENKLLCRKCKALACYTADVRVIEECHYTVLGDAF KECFVSRPHPKPKQFSSFEKRAKIFCARQNCSDWGIHVKYKTFEIPVIKIESFVVEDI ATGVQTLYSKWKDFHFEKIPFDPAEMSKHHHHHHHH

 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

Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 200mM Arginine
Concentration	1 mg/mL by BCA

GENE INFORMATION

Gene Name	RIGI RNA sensor RIG-I [Homo sapiens (human)]
Official Symbol	RIGI
Synonyms	DDX58; DEAD (Asp-Glu-Ala-Asp) box polypeptide 58; probable ATP-dependent RNA helicase DDX58; DKFZp434J1111; FLJ13599; retinoic acid inducible gene I; RIG I; RNA helicase RIG I; RIG-1; RNA helicase RIG-I; DEAD box protein 58; retinoic acid-inducible gene 1 protein; retinoic acid-inducible gene I protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; RIG-I; DKFZp686N19181
Gene ID	23586
mRNA Refseq	NM_014314
Protein Refseq	NP_055129
MIM	609631

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UniProt ID

O95786

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