

Recombinant Human DDX27 Protein, GST-tagged

Cat. No. DDX27-2480H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX27 full-length ORF (ADR83262.1, 1 a.a. - 796 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein involved in the processing of 5.8S and 28S ribosomal RNAs. More specifically, the encoded protein localizes to the nucleolus, where it interacts with the PeBoW complex to ensure proper 3' end formation of 47S rRNA. [provided by RefSeq, Jan 2017]
Molecular Mass	87.6 kDa
AA Sequence	MVLAQRRRRGGCEKLRAGPQAVLASGSGFCDNMLADLGLIGTIGEDDEVPVEPESDS GDEEEEGPIVLGRRQKALGKNRSADFNPDFVFTEKEGTYDGSWALADVMSQLKKK RAATTLDEKIEKVRKKRKTEDKEAKSGKLEKEKEAKEGSEPKEQEDLQENDEEGSE DEASETDYSSADENILTKADTLKVKDRKKKKKKKGQEAGGFFEDASQYDENLSFQDM

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NLSRPLLKAITAMGFKQPTPIQKACIPVGLLGKDICACAATGTGKTAAFALPVLERLIY
 KPRQAPVTRVLVLVPTRELGIQVHSVTRQLAQFCNITTCLAVGGGLDVKSQEAAALRAA
 PDILIATPGRLLDHLHNCPSFHLSSIEVLILDEADRMLDEYFEEQMKEIIRMCSHHRQT
 MLFSATMTDEVKDLASVSLKNPVRIFVNSNTDVAPFLRQEFIRIRPNREGDREAIVAA
 LLTRTFTDHVMLFTQTKKQAHRMHILLGLMGLQVGELHGNLSQTQRLEALRRFKDE
 QIDILVATDVAARGLDIEGVKTVINFTMPNTIKHYVHRVGRTARAGRAGRSVSLVGED
 ERKMLKEIVKAAKAPVKARILPQDVILKFRDKIEKMEKDVYAVLQLEAEEKEMQQSEA
 QINTAKRLLEKGKEAVVQEPERSWFQTKEERKKEKIAKALQEFDLALRGKKRKKFM
 KDAKKKGEMTAEERSQFEILKAQMFAERLAKRNRRAKRARAMPEEEPVRGPAKKQ
 KQGKKS VFDEELTNTSKKALKQYRAGPSFEERKQLGLPHQRRGGNFKSKSRYKRR
 K

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DDX27 DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 [Homo sapiens]

Official Symbol

DDX27

Synonyms

DDX27; DEAD (Asp-Glu-Ala-Asp) box polypeptide 27; DEAD/H (Asp Glu Ala Asp/His)
 box polypeptide 27; probable ATP-dependent RNA helicase DDX27; dJ686N3.1;

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DRS1; DEAD box protein 27; RNA helicase-like protein; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 27; RHLP; Rrp3p; PP3241; HSPC259; MGC1018; FLJ12917; FLJ20596; FLJ22238; MGC163147; DKFZp667N057;

Gene ID [55661](#)

mRNA Refseq [NM_017895](#)

Protein Refseq [NP_060365](#)

MIM [616621](#)

UniProt ID [Q96GQ7](#)

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