Recombinant Human DDX31 Protein, GST-tagged

Cat. No. DDX31-2482H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX31 full-length ORF (NP_619526.1, 1 a.a. - 585 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 DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. The function of this member has not been determined. Alternative splicing of this gene generates multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2016]
Molecular Mass	90.75 kDa
AA Sequence	MAPDLASQRHSESFPSVNSRPNVILPGREGRREGLPPGGGTRGSLVPTRPVPPSPA PLGTSPYSWSRSGPGRGGGAGSSRVPRGVPGPAVCAPGSLLHHASPTQTMAAAD GSLFDNPRTFSRRPPAQASRQAKATKRKYQASSEAPPAKRRNETSFLPAKKTSVKE TQRTFKGNAQKMFSPKKHSVSTSDRNQEERQCIKTSSLFKNNPDIPELHRPVVKQV QEKVFTSAAFHELGLHPHLISTINTVLKMSSMTSVQKQSIPVLLEGRDALVRSQTGSG

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	KTLAYCIPVVQSLQAMESKIQRSDGPYALVLVPTRELALQSFDTVQKLLKPFTWIVPG VLMGGEKRKSEKARLRKGINILISTPGRLVDHIKSTKNIHFSRLRWLVFDEADRILDLG FEKDITVILNAVNAECQKRQNVLLSATLTEGVTRLADISLHDPVSISVLDKSHDQLNPK DKAVQEVCPPPAGDKLDSFAIPESLKQHVTVVPSKLRLVCLAAFILQKCKFEEDQKM VVFFSSCELVEFHYSLFLQTLLSSSGAPASGQLPSASMRLKFLRLHGGMEQEERTA VFQEFSHSRRGVLLCT
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-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DDX31 DEAD (Asp-Glu-Ala-Asp) box polypeptide 31 [Homo sapiens]
Official Symbol	DDX31
Synonyms	DDX31; DEAD (Asp-Glu-Ala-Asp) box polypeptide 31; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 31; probable ATP-dependent RNA helicase DDX31; FLJ13633; FLJ14578; FLJ23349; PPP1R25; protein phosphatase 1; regulatory subunit 25; helicain; G2 helicase; DEAD box protein 31; DEAD/DEXH helicase DDX31; protein phosphatase 1, regulatory subunit 25; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 31;

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Gene ID	64794
mRNA Refseq	NM_022779
Protein Refseq	NP_073616
MIM	616533
UniProt ID	Q9H8H2

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