

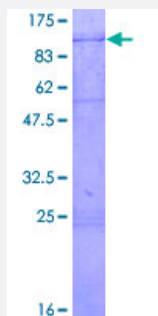
Full-Length

DDX3X (Human) Recombinant Protein (P01)

Catalog # H00001654-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DDX3X full-length ORF (NP_001347.3, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSHVAVENALGLDQQFAGLDLNSSDNQSGGSTASKGRYIPPHLRNREATKGFYDKDSSGWSSS
KDKDAYSSFGSRSDSRGKSSFFSDRGSGSRGRFDDRGRSDYDGIGSRGDRSGFGKFERGGNS
RWCDKSDDEDDWSKPLPPSERLEQELFSGGNTGINFEKYDDIPVEATGNNCPPHIESFSDVEMGE
IIMGNIELTRYTRPTPVQKHAIPKKEKRDLMACAQTGSGKTAALLPILSQIYSDGPGGEALRAMKENG
RYGRRKQYPISLVLAPTRELAVQIYEEARKFSYRSRVRPCVVYGGADIGQQIRDLERLGCHLLVATPG
RLVDMMERGKIGLDFCKYLVLEADRMMLDMGFEPQIRRV EQDTMPPKGV RHTMMFSATFPKEIQ
MLARDFLDEYIFLAVGRVGSTSENITQKVVWVEESDKRSFLLDLLNATGKDSLTLVFVETKKGAD
SLEDFLYHEGYACTSIHGDRSQRDREELHQRSGKSPILVATAVAARGLDISNVKHVINFDLPDI
EEYVHRIGRTGRVGNLGLATSFNERNINITKDLLDLLVEAKQEVPSWLENMAYEHYKGSRRGRS
KSSRFSGGFGARDYRQSSGASSSSFSRRASSRSRGGGGHGGSSRGFGGGGYGGFYNSDGYGG
NYSQGVDDWWGN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

99.6

Interspecies Antigen Sequence

Mouse (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DDX3X

Entrez GeneID	1654
GeneBank Accession#	NM_001356.3
Protein Accession#	NP_001347.3
Gene Name	DDX3X
Gene Alias	DBX, DDX14, DDX3, HLP2
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked
Omim ID	300160
Gene Ontology	Hyperlink

Gene Summary

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, which interacts specifically with hepatitis C virus core protein resulting a change in intracellular location. This gene has a homolog located in the nonrecombining region of the Y chromosome. The protein sequence is 91% identical between this gene and the Y-linked homolog. [provided by RefSeq]

Other Designations

ATP-dependent RNA helicase DDX3X|CAP-Rf|DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3|DEAD/H box-3|helicase like protein 2

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)