

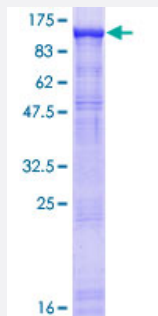
Full-Length

DDX20 (Human) Recombinant Protein (P02)

Catalog # H00011218-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DDX20 full-length ORF (AAH34953.1, 1 a.a. - 824 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAAFEASGALAAVATAMPAEHVAVQVPAPPEPTPGPVRLRTAQDLSSPRTRTGDVLLAEPADF
ESLLSRPVLEGLRAAGFERPSPVQLKAIP LGRCGLDLVQA KSGTGKTCVFSTIALDSLVLNLST
QILILAPTREIAVQIHSVITAIGIKMEGLECHVFIGGTPLSQDKTRLKKCHIAVGSPGRIKQI ELDYLN
GSIRLFILDEADKLL EEGSFQEINWIYSSLPASKQMLAVSATYPEFLANALTKYMRDPTFVRLNSS
DPSLIGLKQYYKV VNSYPLAHKVFEETQHLQELFSRIPFNQALVFSNLHSRAQHLADILSSKGFP
ECISGNMNQNRQLDAMAKLKH FHCRLISTDLTSRGIDAEKVN LVNLDVPLDWETYMHRIGRAG
RFGTLGLTVTYCCRGEEGNMMRIAQKCNINLLPLDPISGLMEECVDWDVEVKAAVHTYGIAS
VPNQPLKKQIQKIERTLQIQKAHGDHMASSRNNSVGLSVKSKNNTKQKLPVKSHSECGIIEKATS
PKELGCDRQSEEQMKNSVQTPVENSTNSQH QVKEALPVSLPQIPCLSSFKIHQPYLTFAELVED
YEHYIKEGLEKPV EIRHYTGPDQTVNPQNGFVRNKVTEQRVPVLASSSQSGDSESDSDSYSSR
TSSQSKGNKSYLEGSSDNQLKDSESTPVDDRISLEQPPNGSDTPNPEKYQESPGIQMKTRLKEG
ASQRAKQSRRNLPRRSSFRLQTEAQEDDWYDCHREIRLSFSDTYQDYEEYWRAYYRAWQEYAA
ASHSYWNAQRHPSWMAAYH MNTIYLQEMMHSNQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

118.6

Interspecies Antigen Sequence

Mouse (82); Rat (83)

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 — DDX20

Entrez GeneID	11218
GeneBank Accession#	BC034953.2
Protein Accession#	AAH34953.1
Gene Name	DDX20
Gene Alias	DKFZp434H052, DP103, GEMIN3
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20
Omim ID	606168
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 has an ATPase activity and is a component of the survival of motor neurons (SMN) complex. This protein interacts directly with SMN, the spinal muscular atrophy gene product, and may play a catalytic role in the function of the SMN complex on RNPs. [provided by RefSeq]

Other Designations

DEAD-box protein DP103|DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 20, 103kD|OTTHUM P00000013738|SMN-interacting protein

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Urinary Bladder Neoplasms](#)