

## Product datasheet for **TP305247L**

### Gemin 3 (DDX20) (NM\_007204) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 20 (DDX20), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205247 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAAAFEASGALAAVATAMPAEHVAVQVPAPEPTGPGVRILRTAQDLSSPRTRTGDVLLAEPADFESLLLS  
RPVLEGLRAAGFERPSPVQLKAIP LGRCGLDLIVQAKSGTGKTCVFSTIALDSLVLNENLSTQILILAPTR  
EIAVQIHSVITAIGIKMEGLECHVFIGGTPLSQDKTRLKKCHIAVGSPGRIKQLIELDYLNPGSIRLFIL  
DEADKLLSEGSFQEQINWIYSSLPASKQMLAVSATYPEFLANALTKYMRDPTFVRLNSSDPSLIGLKQYY  
KVVNSYPLAHKVFEEKTQHLQELFSRIPFNQALVFSNLHSRAQHLADILSSKGFPACISGNMNQNRQLD  
AMAKLKHFHCRVLISTDLTSRGIDAEKVNLVNLDVPLDWETYMHRIGRAGRFGTLGLTVTYCCRGEEGN  
MMMRIAQKCNINLLPLDPIPSGLMEECVDWDVEVKAHVHTYGIASVPNQPLKKQIQKIERTLQIQKAHG  
DHMASSRNNSVSGLSVKSKNNTKQKL PVKSHSECGIIEKATSPKELGCDRQSEEQMKNVQTPVENSTNS  
QHQQVEALPVSLPQIPCLSSFQIHQPYTLTFAELVEDYEHYIKEGLEKPV EIRHYTGPGDQTVNPQNGF  
VRNKVTEQRPVPLASSSQSGDSESDSDSYSSRTSSQSKGNKSYLEGSSDNQLKDSESTPVDDRISLEQPP  
NGSDTPNPEKYQESPGIQMKTRLKEGASQRAKQSRRLPRSSFRQLQTEAQEDDWYDCHREIRLSFSDTY  
QDYEEYWRAYYRAWQEYAAASHSYWNAQRHPSWMAAYHMNTIYLQEMMHSNQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

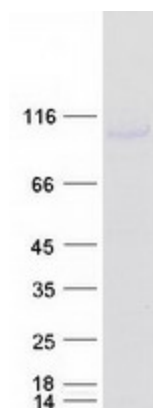
Tag:	C-Myc/DDK
Predicted MW:	92.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_009135</a>
<b>Locus ID:</b>	11218
<b>UniProt ID:</b>	<a href="#">Q9UHI6</a>
<b>RefSeq Size:</b>	3513
<b>Cytogenetics:</b>	1p13.2
<b>RefSeq ORF:</b>	2472
<b>Synonyms:</b>	DP103; GEMIN3
<b>Summary:</b>	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, Jul 2008]
<b>Protein Families:</b>	Druggable Genome

## Product images:



Coomassie blue staining of purified DDX20 protein (Cat# [TP305247]). The protein was produced from HEK293T cells transfected with DDX20 cDNA clone (Cat# [RC205247]) using MegaTran 2.0 (Cat# [TT210002]).