

Product datasheet for PH317615

DDX58 (NM_014314) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDX58 MS Standard C13 and N15-labeled recombinant protein (NP_055129)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217615
Predicted MW:	106.4 kDa
Protein Sequence:	>RC217615 representing NM_014314 Red=Cloning site Green=Tags(s)

MTTEQRRSLQAFQDYIRKTLDPITYILSYMAPWFREEEVQYIQAENKNGPMEAATLFLKFLLELQEEGWF
RGFLDALDHAGYSGLYEAIESWDFKKIEKLEEYRLLLKRLQPEFKTRIPTDIISDLSECLINQECIEIL
QICSTKGMAGAEKLVECLLRSDKENWPKTLKLALEKERNKFSELWIVEKGKIDVETEDLEDKMETSDIQ
IFYQEDPECQNLSENSCPPSEVSDTNLYSPFKPRNYQLELALPAMKGKNTIICAPTGCCKTFVSLICEH
HLKKFPQGQKGVVFFANQIPVYEQQKSVFSKYFERHGYRVTGISGATAENVPVEQIVENNDIILTPQI
LVNNLKKGTIPSLSIFTLMIFDECHNTSKQHPYNMIMFNLYDQKLGSSGPLPQVIGLTASVGVGDAKNT
DEALDYICKLCASLDASVIATVKHNLEELQVVKPQKFFRKVESRISDKFKYIIAQLMRDTESLAKRIC
KDLENLSQIQNREFGTQKYEQWIVTVQKACMVFPMPDKDEESRICKALFLYTSHLRKYNDALIIEHARM
KDALDYLDKDFSNVRAAGFDEIEQDLTQRFEEKLQELESVSRDPSNENPKLEDLCFILQEEYHLNPETIT
ILFVKTRALVDALKNWIEGNPKLSFLKPGILTGRGKTNQNTGMTLPAQKCILDAFKASGDHNLIIATSV
A
DEGIDIAQCNLVILYEYVGNVIKMIQTRGRGRARGSKCFLLTSNAGVIEKEQINMYKEKMMNDSILRLQT
WDEAVFREKILHIQTHEKFIRDSQEKPKPVPDKENKLLCRKCKALACYTADVRVIEECHYTVLGDAFKE
CFVSRPHPKPKQFSSFEKRAKIFCARQNCSDHWGIHVYKTFEIPVIKIESFVVEDIATGVQTLYSKWKD
FHFEEKIPFDPAMSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_055129](#)

RefSeq Size: 4372

RefSeq ORF: 2775

Synonyms: RIG-I; RIG1; RIGI; RLR-1; SGMRT2

Locus ID: 23586

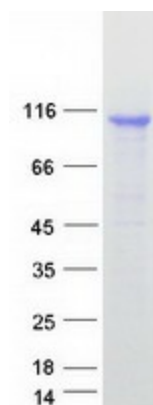
UniProt ID: [O95786](#)

Cytogenetics: 9p21.1

Summary: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases which are implicated in a number of cellular processes involving RNA binding and alteration of RNA secondary structure. This gene encodes a protein containing RNA helicase-DEAD box protein motifs and a caspase recruitment domain (CARD). It is involved in viral double-stranded (ds) RNA recognition and the regulation of the antiviral innate immune response. Mutations in this gene are associated with Singleton-Merten syndrome 2. [provided by RefSeq, Aug 2020]

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway

Product images:



Coomassie blue staining of purified DDX58 protein (Cat# [TP317615]). The protein was produced from HEK293T cells transfected with DDX58 cDNA clone (Cat# [RC217615]) using MegaTran 2.0 (Cat# [TT210002]).