

Product datasheet for PH310628

DDX4 (NM_024415) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDX4 MS Standard C13 and N15-labeled recombinant protein (NP_077726)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210628
Predicted MW:	79.3 kDa
Protein Sequence:	>RC210628 protein sequence Red=Cloning site Green=Tags(s)

MGDEDWEAEINPHMSSYVPIFEKDRYSGENGNDFNRTPASSSEMDDGPSRRDHFMSKGFASGRNFGNRDA
GECNKRDNTSTMGGFGVGKSGFNRFSSNSRFEDGSSGFWRESSNDCEPNTRNRGFSKRGGYRDGNNSE
ASGPYRRGGRRGSRFCRGGFGLGSPNNDLDPDECMQRTGGLFSGRRPVLSGTGNGDTSQSRSGSGSERGG
YKGLNEEVITGSGKNSWKSEAEGGESDQTGPKVYIPIPPPEDEDSIFAHYQTGINFDKYDITILVEVSG
HDAPPAILTFEEANLCQTLNINIAGAGYTKLTPVQKYSIPIILAGRDLMACAQTGSGKTA AFLLPILA HM
MHDGITASRFKELQEPECIIVAPTRELVNQIYLEARKFSFGTCVRAVVIYGGTQLGHSIRQIVQGCNILC
ATPGRLMDIIGKEKIGLKQIKYLVLEADRMLDMGFGPEMKKLSICPGMPSKEQRQTLMF SATFP EEIQR
LAAEFLKSNYLFVAVGQVGGACRDVQQTVLQVQGF SKREKLVEILRNIGDERTMVFVETKKKADFIATFL
CQEKISTTSIHGDREQREREQALGDFRFGKCPVLVATSVAAARGLDIENVQHVINFDLPSTIDEYVHRIGR
TGRCGNTGRAISFFDLESDNHLAQPLVKVLTDAQQDVPALWEEIAFSTYIPGFSGSTRGNVFASVDTRKG
KSTLNTAGFSSSQAPNPVDESWD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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.
RefSeq:	NP_077726

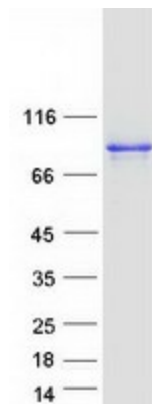


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RefSeq Size:	2880
RefSeq ORF:	2172
Synonyms:	VASA
Locus ID:	54514
UniProt ID:	Q9NQI0
Cytogenetics:	5q11.2

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 is a homolog of VASA proteins in *Drosophila* and several other species. The gene is specifically expressed in the germ cell lineage in both sexes and functions in germ cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

Product images:



Coomassie blue staining of purified DDX4 protein (Cat# [TP310628]). The protein was produced from HEK293T cells transfected with DDX4 cDNA clone (Cat# [RC210628]) using MegaTran 2.0 (Cat# [TT210002]).