

## Product datasheet for **TP310628**

### DDX4 (NM\_024415) Human Recombinant Protein

#### Product data:

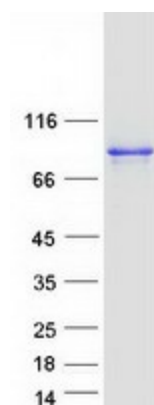
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DEAD (Asp-Glu-Ala-Asp) box polypeptide 4 (DDX4), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210628 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGDEDWEAEINPHMSSYVPIFEKDRYSGENGDNFNRTPASSSEMDDGPSRRDHFMKSGFASGRNFGNR DA GECNKRDNSTMGFGVGKSGFNGRFSNSRFEDGDSSGFWRESSNDCEDNPTRNRGFSKRGGYRDGNN SE ASGPYRRGGRGSFRGCRGGFGLGSPNNDLDPDECMQRTGGLFGSRRPVLSGTGNGDTSQSRSGSGSERG G YKGLNEEVITGSGKNSWKSEAEGGESDQTGPKVITYIPPPPEDEDSIFAHYQTGINFDKYDTILVEVSG HDAPPAILTFEEANLCQTLNNNIAKAGYKLTVPVQKYSIPILAGRDLMACAQTGSGKTAALLPILAHM MHDGITASRFKELQEPECIIVAPTRELNVNQIYLEARKFSFGTCVRAVVIYGGTQLGHSIRQIVQGCNLC ATPGRLMDIIGKEKIGLKQIKYLVLEADRMLDMGFGPEMKKLISCPGMPKSKEQRQTLMFSAFPPEIQR LAAEFLKSNYLFVAVGQVGGACRDVQQTVLQVGQFSKREKLVEILRNIGDERTMVFVETKKKADFIATFL CQEKISTTSIHGDREQREREQALGDFRFGKCPVLVATSVAARGLDIENVQHVINFDLPSTIDEYVHRIGR TGRCGNTGRAISFFDLESDNHLAQPLVKVLTDAQQDVPWLEEEIAFSTYIPGFSGSTRGNVFASVDTRKG KSTLNTAGFSSSQAPNPVDDDESWD</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	79.1 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



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<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>	<u>NP_077726</u>
<b>Locus ID:</b>	54514
<b>UniProt ID:</b>	<u>Q9NQI0</u>
<b>RefSeq Size:</b>	2880
<b>Cytogenetics:</b>	5q11.2
<b>RefSeq ORF:</b>	2172
<b>Synonyms:</b>	VASA
<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 is a homolog of VASA proteins in <i>Drosophila</i> 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]).