Recombinant Human DDX4 Protein, GST-tagged

Cat. No. DDX4-2486H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDX4 full-length ORF (AAH47455.1, 1 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	102.2 kDa
AA Sequence	MGDEDWEAEINPHMSSYVPIFEKDRYSGENGDNFNRTPASSSEMDDGPSRRDHFM KSGFASGRNFGNRDAGECNKRDNTSTMGGFGVGKSFGNRGFSNSRFEDGDSSGF WRESSNDCEDNPTRNRGFSKRGDNDLDPDECMQRTGGLFGSRRPVLSGTGNGDT

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	SQSRSGSGSERGGYKGLNEEVITGSGKNSWKSEAEGGESSDTQGPKVTYIPPPPP EDEDSIFAHYQTGINFDKYDTILVEVSGHDAPPAILTFEEANLCQTLNNNIAKAGYTKL TPVQKYSIPIILAGRDLMACAQTGSGKTAAFLLPILAHMMHDGITASRFKELQEPECIIV APTRELVNKIYLEARKFSFGTCVRAVVIYGGTQLGHSIRQIVQGCNILCATPGRLMDII GKEKIGLKQIKYLVLDEADRMLDMGFGPEMKKLISCPGMPSKEQRQTLMFSATFPEE IQRLAAEFLKSNYLFVAVGQVGGACRDVQQTVLQVGQFSKREKLVEILRNIGDERTM VFVETKKKADFIATFLCQEKISTTSIHGDREQREREQALGDFRFGKCPVLVATSVAAR GLDIENVQHVINFDLPSTIDEYVHRIGRTGRCGNTGRAISFFDLESDNHLAQPLVKVL TDAQQDVPAWLEEIAFSTYIPGFSGSTRGNVFASVDTRKGKSTLNTAGFSSSQAPN PVDDESWD	
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DDX4 DEAD (Asp-Glu-Ala-Asp) box polypeptide 4 [Homo sapiens]
Official Symbol	DDX4
Synonyms	DDX4; DEAD (Asp-Glu-Ala-Asp) box polypeptide 4; DEAD/H (Asp Glu Ala Asp/His) box polypeptide 4; probable ATP-dependent RNA helicase DDX4; VASA; vasa homolog; DEAD box protein 4; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 4;

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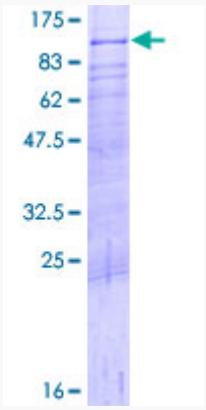
	MGC111074;
Gene ID	54514
mRNA Refseq	NM_001142549
Protein Refseq	NP_001136021
MIM	605281
UniProt ID	Q9NQI0
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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