

## DDX4 (Human) Recombinant Protein (P01)

Catalog # : H00054514-P01

規格 : [ 2 ug ]

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### Specification

**Product Description:** Human DDX4 full-length ORF ( AAH47455.1, 1 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:** MGDEDWEAEINPHMSSYVPIFEKDRYSGENGDNFRNTPASSEMDDGP  
 SRRDHFMKSGFASGRNFGNRDAGECNKRDNSTMGGFVGVKSFGNR  
 GFSNSRFEDGDSSGFWRESSNDCEDNPTNRNRFKSRGDNDLDPDECM  
 QRTGGLFGSRRPVLSGTGNGDTSQSRSGSGSERGGYKGLNEEVITGS  
 GKNSWKSEAEGGESSDTQGPKVTYIPPPPEDEDSIFAHYQTGINFDKY  
 DTILVEVSGHDAPPAILTFEEANLCQTLNNNIAKAGYKLTVPVQKYSIPIILA  
 GRDLMACAQTGSGKTAAFLLPILAHMMHDGITASRFKELQEPECIVAPT  
 RELVNKIYLEARKFSFGTCVRAVVIYGGTQLGHSIRQIVQGCNLCATPGR  
 LMDIIGKEKIGLKQIKYLVLDEADRMMLDMGFGPEMKKLISCPGMPKSKEQR  
 QTLMFSAFPPEIQRLAAEFLKSNYLFVAVGQVGGACRDVQQTVLQVG  
 QFSKREKLVEILRNIGDERTMVFVETKKKADFIATFLCQEKISTTSIHGDRE  
 QREREQALGDFRFKCPVLVATVAARGLDIENVQHVINFDLPSTIDEYV  
 HRIGRTGRCGNTGRAISFFDLESDNHLAQPLVKVLTDAQQDVPWALEEIA  
 FSTYIPGFSGSTRGMVFASVDTRKKGKSTLNTAGFSSSQAPNPVDES  
 D

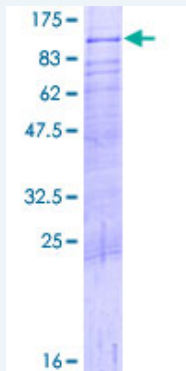
**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 102.2

**Preparation Method:** *in vitro* wheat germ expression system

**Purification:** Glutathione Sepharose 4 Fast Flow

**Quality Control Testing:** 12.5% SDS-PAGE Stained with Coomassie Blue.



**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note:** Best use within three months from the date of receipt of this protein.

**MSDS:**  [Download](#)

### Application Image

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

Datasheet:  [Download](#)

## Applications

Enzyme-linked Immunoabsorbent Assay

Western Blot (Recombinant protein)

Antibody Production

Protein Array

## Gene Information

Entrez GeneID: [54514](#)

GeneBank  
Accession#: [BC047455.1](#)

Protein  
Accession#: [AAH47455.1](#)

Gene Name: DDX4

Gene Alias: MGC111074, VASA

Gene  
Description: DEAD (Asp-Glu-Ala-Asp) box polypeptide 4

Omim ID: [605281](#)

Gene Ontology: [Hyperlink](#)

**Gene 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. [provided by RefSeq]

Other  
Designations: DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide  
4, OTTHUMP00000122546

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