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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

DDX4 (Human) Recombinant Protein (P01)

Catalog Number: H00054514-P01

Regulation Status: For research use only (RUO)

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

Sequence:

MGDEDWEAEINPHMSSYVPIFEKDRYSGENGDNFNR
TPASSEMDGSPRRDHFMSKGFASGRNFGNRDAG
ECNKRDNTSTMGGFVGKSGFNGRFSNSRFEDGDS
SGFWRESSNDCEDNPTNRGFSKRGDNDLDPDECM
QRTGGLFGSRRPVLSTGNGDTSQSRSRSGSERGG
YKGLNEEVITGSGKNSWKSEAEGGESDQTGPKVYI
PPPPPEDEDSIFAHYQTGINFDKYDTILVEVSGHDAPP
AILTFEEANLCQTLNNNIAKAGYTKLTPVQKYSIPIILAG
RDLMACAQTGSGKTA AFLLPILAHMMHDGITASRFKEL
QEPECIIVAPTRELVNKIYLEARKFSFGTCVRAVVIYGG
TQLGHSIRQIVQGCNLCATPGRLMDIIGKEKIGLKQIKY
LVLDEADRMLDMGFGPEMKKLISCPGMPKSKEQRQTL
MFSATFP EEIQLRLAAEFLKSNYLFVAVGQVGGACRDV
QQTVLQVQGQFSKREKLVEILRNIGDERTMVFVETKKKA
DFIATFLCQEKISTTSIHGDREQREREALGDFRFGKC
PVLVATSVAARGLDIENVQHVINFDLPSTIDEYVHRIGR
TGRCGNTGRAISFFDLESDNHLAQLVKVLTDAQQDV
PAWLEEIAFSTYIPGFSGSTRGNVFASVDTRKKGKSTLN
TAGFSSSQAPNPVDESWD

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 102.2

Interspecies Antigen Sequence: Mouse (84); Rat (85)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 54514

Gene Symbol: DDX4

Gene Alias: MGC111074, VASA

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]

References:

1. Improvement of in vitro proliferation of cockerel spermatogonial stem cells using different combination of growth factors. Kazem Rasouli-Gharehsaghal, Malak Shakeri, Mahdi Zhandi, Hamid-Reza Amini, Ali Reza Yousefi, Mahdi AsadiRad Br Poult Sci. 2020 Dec;61(6):660-668. doi: 10.1080/00071668.2020.1808187. Epub 2020 Sep 25.