



Recombinant Human DDX4 Protein Product Manual

1. Product Basic Information

Product No.: REP06649

Protein Name: Vasa Homolog (DDX4)

Aliases: vasa homolog; putative ATP-dependent RNA helicase DDX4; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 4

UniProt ID: Q9NQI0

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NQI0/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-724aa)

Molecular Weight: 86.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-724aa)

MGDEDWEAEINPHMSSYVPIFEKDRYSGENGDNFNRTPASSEMDDGPSRRDHF
MKSGFASGRNFGNRDAGECNKRDNTSTMGGFGVGKSFGNRRGFSNSRFEDGDSS
GFWRESSNDCEDNPTRNRGFSKRGGYRDGNNSEASGPYRRGGRGSFRGCRGG
FGLGSPNNDLDPDECMQRTGGLFGSRRPVLSGTGNGDTSQSRSGSGSERGGYK
GLNEEVITGSGKNSWKSEAEGGESDQTGPKVTYIPPPPEDEDSIFAHYQTGINFD
KYDTILVEVSGHDAPPAILTFEEANLCQTLNNNIAKAGYTKLTPVQKYSIPIILAGRDL
MACAQTGSGKTA AFLLPILAHMMHDGITASRFKELQEPECIIVAPTRELVNQIYLEAR
KFSFGTCVRAVVIYGGTQLGHSIRQIVQGCNLCATPGRLMDIIGKEKIGLKQIKYLV
DEADRMLDMGFGPEMKKLISCPGMPSKEQRQTLMFSAFP EEIQR LAAEFLKSNYL
FVAVGQVGGACRDVQQT VLVQGQFSKREKLVEILRNIGDERTMV FVETKKKAD FIA
TFLCQEKISTTSIHGDREQREREQALGDFRFGKCPVLVATSV AARGLDIENVQHVIN
FDLPSTIDEYVHRIGRTGRCGNTGRAISFFDLESDNHLAQPLVKVLTDAQQDVP AWL
EEIAFSTYIPGFSGSTRGNVFASVDTRKGKSTLNTAGFSSSQAPNPVDDSWD

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human DDX4 full length protein (1-724aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. DDX4, also known as vasa homolog or putative ATP-dependent RNA helicase DDX4 or DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 4, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.