

Recombinant Human DDX24 protein, GST-tagged

Cat. No. DDX24-11898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX24(509-859aa) protein was fused to GST-tag and expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	351
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 shows little similarity to any of the other known human DEAD box proteins, but shows a high similarity to mouse Ddx24 at the amino acid level.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.0). 5% trehalose and 5% mannitol are added as protectants before lyophilization.
Molecular Mass	64 kDa

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AA Sequence	TLTLVHQAPARILHKKHTKKMDKTAKLDLLMQKIGMRGKPKVIDLTRNEATVETLTET KIH CETDEKDFYLYYFLMQYPGRSLVFANSISCIKRLSGLLKVLDIMPLTLHACMHQK QRLRNLEQFARLEDCVLLATDVAARGLDIPKVQHVHYQVPRTSEIYVHRSGRTARA TNEGLSLMLIGPEDVINFKKIYKTLKKDEDIPLFPVQTKYMDVVKERIRLARQIEKSEY RNFQACLNHSWIEQAAAALEIELEEDMYKGGKADQQEERRRQKQMKVLKKELRHLL SQPLFTESQKTKYPTQSGKPPLLVSAPSKSESALSCLSKQKKKKTKKPKPEQPPEQP QPSTSAN
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8 centigrade for (1-2 weeks). Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage. If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name **DDX24**

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Official Symbol	DDX24
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Gene ID	57062
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mRNA Refseq	NM_020414.4
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Protein Refseq	NP_065147.1
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MIM	606181
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UniProt ID	Q9GZR7
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SDS-PAGE of
DDX24-11898H



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