Recombinant Human DDX41 protein, GST-tagged

Cat. No. DDX41-35H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDX41(1 - 144 aa) fused with GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1 - 144 aa
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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a member of the DEAD box protein family and interacts with several spliceosomal proteins. In addition, the encoded protein may recognize the bacterial second messengers cyclic di-GMP and cyclic di-AMP, resulting in the induction of genes involved in the innate immune response.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.). Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
AA Sequence	MEESEPERKRARTDEVPAGGSRSEAEDEDDEDYVPYVPLRQRRQLLLQKLLQRRR

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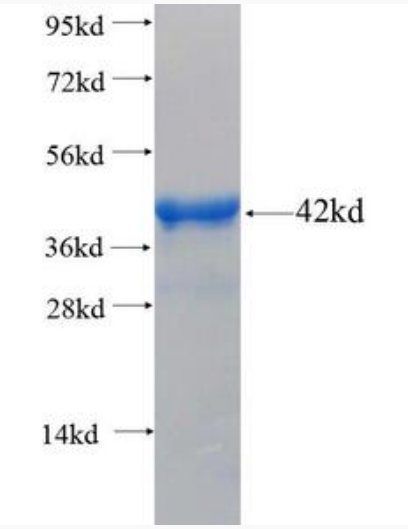
	KGAAEEEQQDSGSEPRGDEDDIPLGPQSNVSLLDQHQHLKEKAEARKESAKEKQL KEEEKILESVAEGRALMSVKEMAKGITYDDPIKT
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder. Storage of Reconstituted Protein: Short-term storage: Store at 2-8 centigrade for two weeks. Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 6 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 ḡ/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). 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	DDX41 DEAD (Asp-Glu-Ala-Asp) box polypeptide 41 [Homo sapiens]
Official Symbol	DDX41

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Synonyms	DDX41; DEAD (Asp-Glu-Ala-Asp) box polypeptide 41; probable ATP-dependent RNA helicase DDX41; ABS; MGC8828; 2900024F02Rik; DEAD box protein 41; putative RNA helicase; DEAD-box protein abstrakt; DEAD box protein abstrakt homolog;
Gene ID	51428
mRNA Refseq	NM_016222
Protein Refseq	NP_057306
MIM	608170
UniProt ID	Q9UJV9



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