

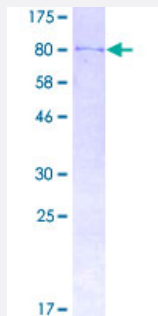
Full-Length

DDX53 (Human) Recombinant Protein (P01)

Catalog # H00168400-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DDX53 full-length ORF (AAH67878.1, 1 a.a. - 631 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSHWAPEWKRAEANPRDLGASWDVRGSRGSGWSPFGHQGPRAAGSREPPLCFKIKNNMVG
VVIGYSGSKIKDLQHSTNTKIINGESEAKVRIFGNREMKAKAKAAIETLRKQESYNSESSVDNAAS
QTPIGRNLGRNDIVGEAEPLSNWDRIRAAVVECEKRKWADLPPVKKNFYIESKATSCMSEMQUIN
WRKENFNITCDDLKSGEKRLIPKPTCRFKDAFQQYPDLLKSIIRVGILKPTPIQSQAWPILQGIDLMV
AQTGTGKTLSYLMPGFIHLDSSQISREQRNGPGMLVLTPTRELALHVEAECSKYSYKGLKSICYGG
RNRNGQIEDISKGVDIIATPGRNLNDLQMNNSVNLRSITYLVIDEADKMLDMEFEPQIRKILLDVRPDR
QTVMTSATWPDTVRQLALSYLEKDPMMVYVGNLNLVAVNTVKQNIIVTTEKEKRALTQEFVENMSPN
DKVIMFVSQKHIADDLSSDFNIQGISAESLHGNSEQSDQERAVEDFKSGNIKILITTDIVSRGLDLND
VTHVYNYDFPRNIDVYVHRVGYIGRTGKTGTSVTLITQRDSKMAGELIKILDRANQSVPEDLVVMAE
QYKLNQQKRHRETRSREPGQRRKEFYFLS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

97.6

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.

Applications

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

Gene Info — DDX53

Entrez GeneID	168400
GeneBank Accession#	BC067878.1
Protein Accession#	AAH67878.1
Gene Name	DDX53
Gene Alias	CAGE
Gene Description	DEAD (Asp-Glu-Ala-Asp) box polypeptide 53
Gene Ontology	Hyperlink
Other Designations	DEAD-box protein CAGE cancer associated cancer-associated

Publication Reference

- [Disruption of DDX53 coding sequence has limited impact on iPSC-derived human NGN2 neurons.](#)

Muhammad Faheem, Eric Deneault, Roumiana Alexandrova, Deivid C Rodrigues, Giovanna Pellecchia, Carole Shum, Mehdi Zarrei, Alina Piekna, Wei Wei, Jennifer L Howe, Bhooma Thiruvahindrapuram, Sylvia Lamoureux, P Joel Ross, Clarrisa A Bradley, James Ellis, Stephen W Scherer.

BMC Medical Genomics 2023 Jan; 16(1):5.

Application: WB-Re

- [miR-200b and cancer/testis antigen CAGE form a feedback loop to regulate a cancer cell line's invasion, tumorigenic, and angiogenic responses to microtubule-targeting drugs.](#)

Kim Y, Park D, Kim H, Choi M, Lee H, Lee YS, Choe J, Kim YM, Jeoung D.

The Journal of Biological Chemistry 2013 Dec; 288(51):36502.

Application: WB-Ce, WB-Tr, Human, SNU387, SNU387R, SNU387R-Taxol, Malme3M, Malme3MR, Malme3MR-Taxol, AGS, AGSR, MCF-7, MDA-MB-231 cells, HUVECs

Disease

- [Child Development Disorders](#)
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