

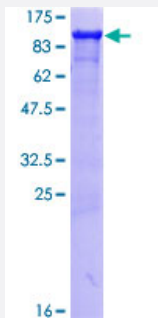
Full-Length

HSP90AB1 (Human) Recombinant Protein (P01)

Catalog # H00003326-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HSP90AB1 full-length ORF (NP_031381.2, 1 a.a. - 724 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPEEVHHGEEEVETFAFQAEIAQLMSLIINTFYSNKEIFLRELISNASDALDKIRYESLTDPSKLD SG
KELKIDIIPNPQERTLTLVDTGIGMTKADLINNLGTIAKSGTKAFMEALQAGADISMIGQFGVGFYSAY
LVAEKVVVITKHNDDEQYAWESSAGGSFTVRADHGEPIGRGTKVILHLKEDQTEYLEERRVKEVV
KKHSQFIGYPITLYLEKEREKEISDDEAEEEEKGEKEEEDKDDEEKPKIEDVGSDEEDDSGDKDKK
KTKKIKEKYDQEELNKTTPWTRNPDDITQEEYGEFYKSLTNDWEDHLAVKHFSVEGQLEFRALLF
IPRRAPFDLFENKKKKNNIKLYRRVFIMDSCDELIPEYLNFIIRGVVDSDELPLNISREMLQQSKILKV
IRKNVKKCLELFSELAEDKENYKKFYEAFSKNLKLGIHEDSTNRRRLSELLRYHTSQSGDEMTSLS
EYVSRMKETQKSIYITGESKEQVANSAFVERVRKRGFEVVYMTPEIDYCVQQLKEFDGKSLVS
VTKEGLELPEDEEEKKKMEESKAKFENLCKLMKEILDKKVEKVTISNRLVSSPCCIVTSTYGWTAN
MERIMKAQALRDNSTMGYMMAKKHLEINPDHPVETLRQKAEADKNDKAVKDLVVLLFETALLSS
GFSLED PQTHSNRIRMIKLGIDEDEVAEEPNAAVPDEIPPLEGDE D ASRMEEVD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

109.7

Interspecies Antigen Sequence

Mouse (99); Rat (99)

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 — HSP90AB1

Entrez GeneID	3326
GeneBank Accession#	NM_007355.2
Protein Accession#	NP_031381.2
Gene Name	HSP90AB1
Gene Alias	D6S182, FLJ26984, HSP90-BETA, HSP90B, HSPC2, HSPCB
Gene Description	heat shock protein 90kDa alpha (cytosolic), class B member 1
Omim ID	140572
Gene Ontology	Hyperlink
Gene Summary	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM]

Other Designations

OTTHUMP00000016517|OTTHUMP00000016518|OTTHUMP00000016519|OTTHUMP00000039869|heat shock 90kD protein 1, beta|heat shock 90kDa protein 1, beta|heat shock protein beta

Publication Reference

- [APOBEC3-induced mutation of the hepatitis virus B DNA genome occurs during its viral RNA reverse transcription into \(-\)-DNA.](#)

Zhigang Chen, Thomas L Eggerman, Alexander V Bocharov, Irina N Baranova, Tatyana G Vishnyakova, Amy P Patterson.

The Journal of Biological Chemistry 2021 Aug; 297(2):100889.

Application: Incubation, HVB virus, DNA

Pathway

- [Antigen processing and presentation](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Kidney Failure](#)
- [Occupational Diseases](#)