

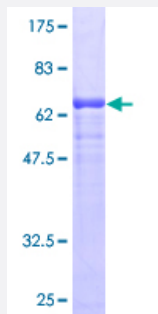
Full-Length

TRA1 (Human) Recombinant Protein (P02)

Catalog # H00007184-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TRA1 full-length ORF (AAH09195.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRALWVLGLCCVLLTFGSVRADDEVDVDGTVEEDLGKSREGSRTDDEVVQREEEAIQLDGLNASQIRELREKSEKFAFQAEVNRMMKLIINSLYKNKEIFLRELISNASDALDKIRLISLTDENALSGNEELTVKIKCDKEKNLLHVTDGTGVMTREELVKNLGTIAKSGTSEFLNKMTEAQEDGQSTSELIGQFGVGFYSAFLVADKVMVTSKHNNDTQHIWESDSNEFSVIADPRGNTLGRGTTITLVLKEEASDYLELDTIKNLVKKYSQFINFPYVWSSKTETVEEPMEEEEAAKEEKEESDDEAAARRR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.28

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 — HSP90B1

Entrez GeneID [7184](#)

GeneBank Accession# [BC009195](#)

Protein Accession# [AAH09195.1](#)

Gene Name HSP90B1

Gene Alias ECGP, GP96, GRP94, TRA1

Gene Description heat shock protein 90kDa beta (Grp94), member 1

Omim ID [191175](#)

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. HSP90B1 is an endoplasmic reticulum HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1; MIM 140571) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM]

Other Designations Tumor rejection antigen-1 (gp96)|endothelial cell (HBMEC) glycoprotein|glucose regulated protein, 94 kDa|heat shock protein 90kDa beta, member 1|tumor rejection antigen (gp96) 1

Publication Reference

- [Individual patient-specific immunity against high-grade glioma after vaccination with autologous tumor derived peptides bound to the 96 KD chaperone protein.](#)

Crane CA, Han SJ, Ahn B, Oehlke J, Kivett V, Fedoroff A, Butowski N, Chang SM, Clarke J, Berger MS, McDermott MW, Prados MD, Parsa AT.

Clinical Cancer Research 2013 Jan; 19(1):205.

Application: Restimulation, Recombinant protein

Pathway

- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Kidney Failure](#)
- [Schizophrenia](#)