

PRODUCT DATA SHEET

GP96 (HSP90B1) Human HEK293

Cat. No.: RD172379100**Size:** 0.1 mg**Source:** HEK293**Type:** Recombinant protein**Species:** Human**Other Names:**

HSP90B1, Endoplasmin, Heat shock protein 90 kDa beta member 1, HSP90B1, 94 kDa glucose-regulated protein, GRP-94, GRP94, Tumor rejection antigen 1, TRA1, gp96 homolog, ECGP, Endothelial cell (HBMEC) glycoprotein

Description:

Total 789 AA. MW: 90.9 kDa (calculated). UniProtKB acc. No. Q5CAQ5 (Asp22–Glu798). N-terminal linker (2 extra AA), C-terminal linker (4 extra AA) and C-terminal His-tag (6 extra AA). Protein identity confirmed by MS.

Amino Acid Sequence:

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ASDDEVDVDG TVEEDLGKSR EGSRTDDEVV QREEEAIQLD GLNASQIREL REKSEKFAFQ
AEVNRMMKLI INSLYKNKEI FLRELISNAS DALDKIRLIS LTDENALSGN EELTVKIKCD
KEKNLLHVTG TGVMGTREEL VKNLGTIAKS GTSEFLNKMT EAQEDGQSTS ELIQFGVGF
YSAFLVADKV IVTSKHNDT QHIWESDSNE FSVIADPRGN TLGRGTTITL VLKEEASDYL
ELDTIKNLVK KYSQFINFPI YVWSSKTETV EEPMEEEAA KEEKEESDDE AAVEEEEEEEK
KPKTKKVEKT VPDWELMNDI KPIWQRPSKE VEEDEYKAFY KSFSKESDDP MAYIHFTAEG
EVTFKSILFV PTSAPRGLFD EYGSKSDYI KLYVRRVFIT DDFHDMMPKY LNFVKGVVDS
DDLPLNVSRE TLQQHKLLKV IRKKLVRKTL DMIKKIADDK YNDFWKEFG TNIKLGVIED
HSNRTRLAKL LRFQSSHHT DITSLDQYVE RMKEKQDKIY FMAGSSRKEA ESSPFVERLL
KKGYEVIYLT EPVDEYCIQA LPEFDGKRFQ NVAKEGVKFD ESEKTKESRE AVEKEFEPLL
NWMKDKALKD KIEKAVVSQR LTESPCALVA SQYGWGSNME RIMKAQAYQT GKDISTNYA
SQKKTFEINP RHPLIRDMLR RIKEDEDDKT VLDLAVVLF E TATLRSGYLL PDKAYGDRI
ERMLRSLNI DPAKVEE EEP EEEPEETAED TTEDTEQDED EEMDVGTDEE ETAKESTAEG
PKLHHHHHH
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Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized in phosphate buffered saline (PBS) pH 8.0, 1% (w/v) Sucrose, 4% (w/v) Mannitol

Reconstitution:

Add 200 μl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping:

On ice. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for three days.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.