

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:

ASDDEVVDVG	TVEEDLGKSR	EGSRTDDEVV	QREEEAIQLD	GLNASQIREL	REKSEKFAFQ
AEVNRMMKLI	INSLYKNKEI	FLRELISNAS	DALDKIRLIS	LTDENALSGN	EELTVKIKCD
KEKNLLHVTG	TGVGMTREEL	VKNLGTIAKS	GTSEFLNKMT	EAQEDGQSTS	ELIGQFGVGF
YSAFLVADKV	IVTSKHNNND	QHIWESDSNE	FSVIADPRGN	TLGRGTTITL	VLKEEASDYL
ELDTIKNLVK	KYSQFINFPI	YVWSSKTETV	EEPMEEEAA	KEEKEESDDE	AAVEEEEEEEK
KPKTKKVEKT	VWDWELMNDI	KPIWQRPSE	VEEDEYKAFY	KSFSKESDDP	MAYIHFTAEG
EVTFKSILFV	PTSAPRGLFD	EYGSKKSDYI	KLYVRRVFIT	DDFHDMMPKY	LNFVKGVDVS
DDLPLNVSRE	TLQQHKLLKV	IRKKLVKRTL	DMIKKIADDK	YNDTFWKEFG	TNIKLGVID
HSNRTRLAKL	LRFQSSHPT	DITSLDQYVE	RMKEKQDKIY	FMAGSSRKEA	ESSPFVERLL
KKGYEVIYLT	EPVDEYCIQA	LPEFDGKRQ	NVAKEGVKFD	ESEKTESRE	AVEKEFEPLL
NWMKDKALKD	KIEKAVVSQR	LTESPCALVA	SQYGWSGNME	RIMKAQAYQT	GKDISTNYA
SQKKTFEINP	RHPLIRDMLR	RIKEDEDDKT	VLDLAVVLFE	TATLRSGYLL	PDTKAYGDRI
ERMLRLSLNI	DPDAKVEEEP	EEEPEETAED	TTEDTEQDED	EEMDVGTDEE	ETAKESTAEG
PKLHHHHHH					

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.