

GP96 (HSP90B1) Human HEK293

Product Data Sheet

Type: Recombinant

Source: HEK293

Species: Human

Cat. No.:

RD172379100

(0.1 mg)

Other names: 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 LC-MS/MS.

Research topic

Immune Response, Infection and Inflammation, Oncology

Amino Acid Sequence

ASDDEVDVDG TVEEDLGKSR EGSRTDDEVV QREEEAIQLD GLNASQIREL REKSEKFAFQ AEVNRMKLI INSLYKNKEI
FLRELISNAS DALDKIRLIS LTDENALSGN EELTVKIKCD KEKNLLHVTD TGVGMTREEL VKNLGTTIACS GTSEFLNKMT
EAQEDGQSTS ELIGQFGVGF YSAFLVADKV IVTSKHNNND QHIWESDSNE FSVIADPRGN TLGRGTTITL VLKKEASDYL
ELDTIKNLVK KYSQFINFPI YVWSSKTETV EEPMEEEEEAA KEEKEESDDE AAVEEEEEEEK KPKTKKVEKT VWDWELMNDI
KPIWQRPSKE VEEDEYKAFY KSFSKESDDP MAYIHFTAEG EVTFKSILFV PTSAPRGLFD EYGSKSDYI KLYVRRVFIT
DDFHDMMPKY LNFVKGVVDS DDLPLNVSRE TLQQHKLLKV IRKKLVRKTL DMIKKIADDK YNDTFWKEFG TNIKLGVIED
HSNRTRLAKL LRFQSSHPT DITSLDQYVE RMKEKQDKIY FMAGSSRKEA ESSPFVERLL KKGYEVIYLT EPVDEYCIQA
LPEFDGKRFQ NVAKEGVKFD ESEKTKESRE AVEKEFEPLL NWMKDKALKD KIEKAVVSQR LTESPCALVA SQYGWSGNME
RIMKAQAYQT GKDISTNYA SQKKTFEINP RHPLIRDMLR RIKEDEDDKT VLDLAVVLF E TATLRSGYLL PDKAYGDRI
ERMLRLSLNI DPDAKVEEEP EEEPEETAED TTEDTEQDED EEMDVGTDEE ETAKESTAE G **PKLHHHHHH**

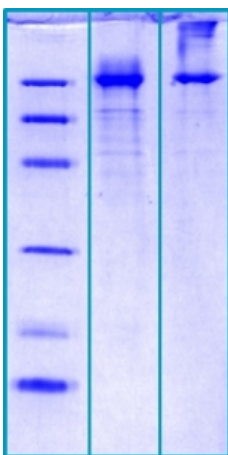
Source

HEK293

Purity

Purity as determined by densitometric image analysis: >90%

SDS-PAGE gel



14 % SDS-PAGE separation of Human GP96 (HSP90B1):

1. MW marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/ug

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. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

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

Storage, Stability/Shelf Life

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 Test

BCA to determine quantity of the protein.

SDS-PAGE to determine purity of the protein.

LAL TEST to determine endotoxin level.

Applications

Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.

HEADQUARTERS: BioVendor Laboratorní medicína, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: info@biovendor.com sales@biovendor.com Web: www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail: infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail: infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail: infoUSA@biovendor.com