Glutathione S-transferase kappa 1 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: DsbA-L, GST 13-13, GST class-kappa, GSTK1-1, hGSTK1, Glutathione S-transferase subunit 13, GSTK1, HDCMD47P

Cat. No.:
RD172357100 (0.1 mg)

Description

Total 235 AA. MW: 26.6 kDa (calculated). UniProtKB acc.no. Q9Y2Q3 (Gly2-Leu226). N-terminal his-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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MKHHHHHHAS GPLPRTVELF YDVLSPYSWL GFEILCRYQN IWNINLQLRP SLITGIMKDS GNKPPGLLPR KGLYMANDLK
LLRHHLQIPI HFPKDFLSVM LEKGSLSAMR FLTAVNLEHP EMLEKASREL WMRVWSRNED ITEPQSILAA AEKAGMSAEQ
AQGLLEKIAT PKVKNQLKET TEAACRYGAF GLPITVAHVD GQTHMLFGSD RMELLAHLLG EKWMGPIPPA VNARL
```

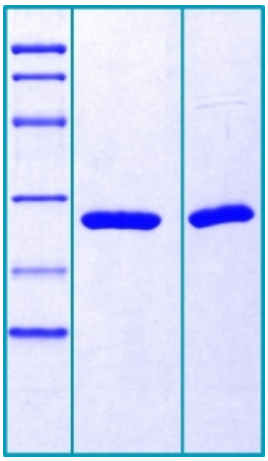
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >95 %

SDS-PAGE gel



14 % SDS-PAGE separation of Human DsbA-L:

1. M.W. 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/µg

Formulation

Filtered (0.4 µm) and lyophilized in phosphate buffered saline pH 7.0 + 5%(w/v) trehalose.

Reconstitution

Add 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

At ambient temperature. 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 a week.

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

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: Web:	info@biovendor.com sales@biovendor.com 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