BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno-Řečkovice a Mokrá Hora

Date of issue: 20.08.2018

PRODUCT DATASHEET

Gastrokine-2 Human E. coli

Cat. No.: RD172269100
Type: Recombinant protein
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 174 AA. MW: 19.6 kDa (calculated). UniProtKB acc.no. Q86XP6 (Tyr21-Val184). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
Blottin, GKN2, BLOT, GDDR, TFIZ1, UNQ465/PRO813

Introduction to the molecule
Gastrokine-2 is expressed in gastric mucosa.

Amino Acid sequence
MKHHHHHHAS YEVFNIISPS NNGGNVQETV TIDNEKNTAI INIHAGSCSS TTIFDYKHGY IASRVLSRRA CFILKMDHQN IPPLNNLQWY IYEKQALDNM FSSKYTWVKY NPLESLIKDV DWFLLGSPIE KLCKHIPLYK GEVVENTHNV GAGGCAKAGL LGILGISICA DIHV

Purity
Purity as determined by densitometric image analysis: >90%

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 0.05 M Acetate buffer pH=4.0

Reconstituion:
Add 0.1M Acetate buffer pH=4.0 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely at 37°C. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/mL. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the 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.

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621 00 Brno-Řečkovice a Mokrá Hora, Czech Republic

Phone: +420-549-124-185, Fax: +420-549-211-460
E-mail: info@biovendor.com, sales@biovendor.com
Web: www.biovendor.com
There are BioVendor branches and distributors near you.
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Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

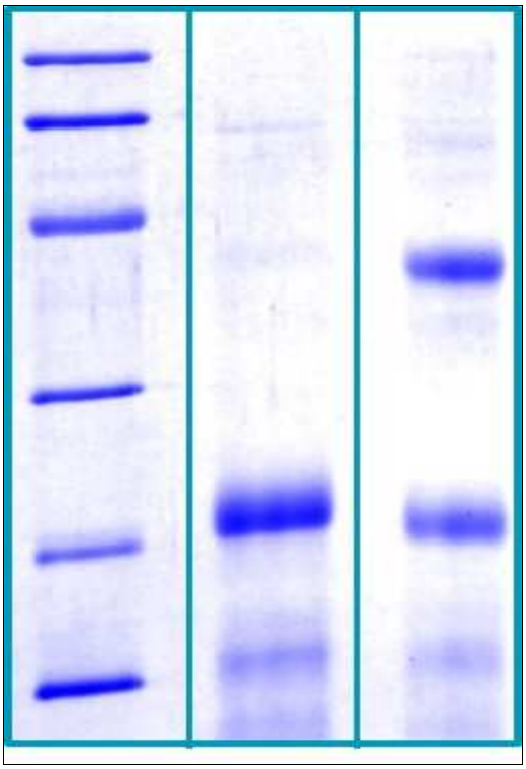
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human Gastrokine-2:
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

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