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

Date of issue: 18.06.2018

PRODUCT DATASHEET

Meteorin-Like Protein Human E. coli

Cat. No.: RD172467100
Type: Recombinant
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 276 AA. MW: 31.2 kDa (calculated). UniProtKB acc. no. Q641Q3 (Gln46-Asp311). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
Subfatin, METRNL

Amino Acid sequence
MKHHHHHHAS QYSSDRCSWK GSGLTHEAHR KEVEQVYLRC AAGAVEWMYP TGALIVNLRP NTFSPARHLT VCIRSFTDSS GANIYLEKTG ELRLLVPDGD GRPGRVQCFG LEQGGLFVEA TPQQDIGRRT TGFQYELVRR HRASDLHELS APCRPCSDTE VLLAVCTSDF AVRGSIQQVT HEPERQDSAI HLRVSRLYRQ KSRVFEPVPE GDGHWQGRVR TLLECGVRPG HGDFLFTGHM HFGEARLGCA PRFKDFQRMY RDAQERGLNP CEVGTD

Purity
Purity as determined by densitometric image analysis: > 95 %

Endotoxin
< 1.0 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 50mM acetate, 5% trehalose (w/v) 1mM DTT pH 4,0

Reconstituion:
Add 0.1 M acetate buffer pH 4.0 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life
Store 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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Quality control

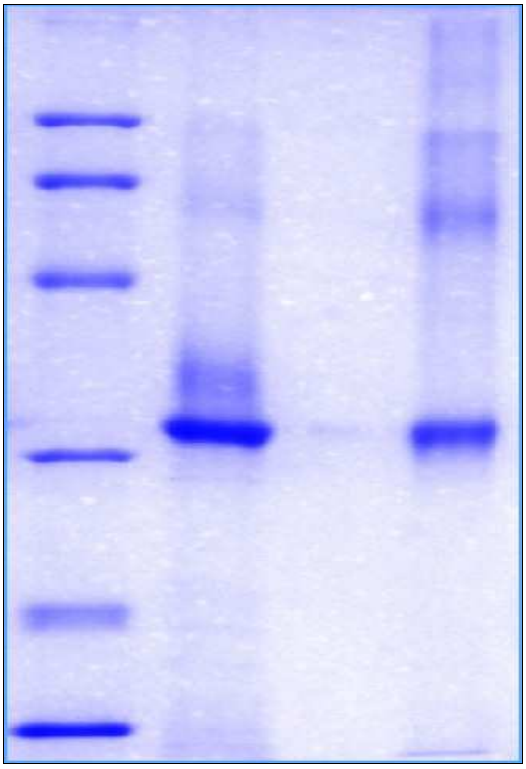
Bradford protein assay to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human Meteorin-Like Protein:
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

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