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

Date of issue: 04.09.2018

PRODUCT DATASHEET

Oncomodulin-1 Human E. coli

Cat. No.: RD172238100
Type: Recombinant protein
Size: 0.1 mg
Source: E. coli
Species: Human

Description
Total 117 AA. MW: 13.21 kDa (calculated). UniProtKB acc.no. P0CE72. N-Terminal His-tag, 9 extra AA (highlighted).

Other names
OM, Parvalbumin beta, OCM, OCM1, OCMN

Introduction to the molecule

Research topic
Neural tissue markers, Oncology

Amino Acid sequence
MKHHHHHHAS ITDVLSADDI AAALQECRDP DTFEPQKFFQ TSGLSKMSAN QVKDVFRFID NDQSGYLDEE ELKFFLQKFE SGARELTESE TKSLMAAADN DGDGKIGAEE FQEMVHS

Endotoxin
< 0.1 EU/µg

Formulation:
Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

Reconstituion:
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 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

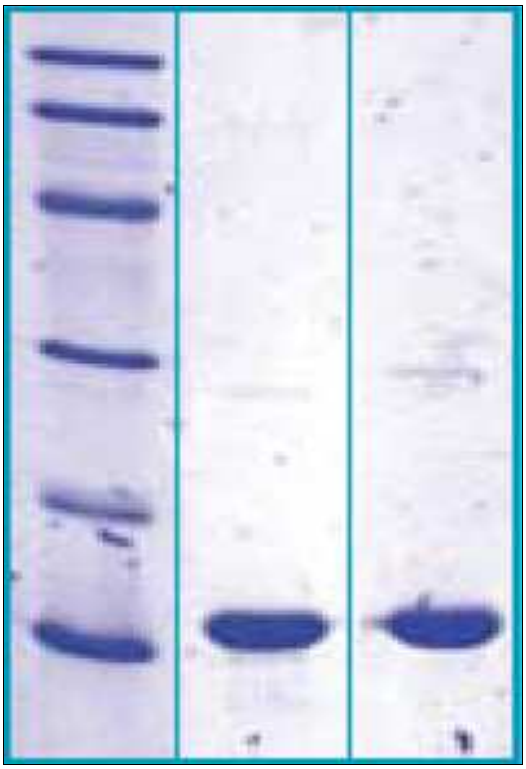
BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

LAL to determine quantity of endotoxin.

Applications

Western blotting



14% SDS-PAGE separation of Oncomodulin-1
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. reduced and heated sample, 5µg/lane
3. non-reduced and non-heated sample, 5µg/lane

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