Glypican-4 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: K-glypican

Cat. No.:
RD172346100 (0.1 mg)

Description

Total 521 AA. MW: 58.7 kDa (calculated). UniProtKB acc.no. O75487 (Ala19-Ser529). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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MKHHHHHHAS ALLAAELKSK SCSEVRRLYV SKGFNKNDAP LHEINGDHLK ICPQGSTCCS QEMEEKYSLQ SKDDFKSVVS
EQCNHLQAVF ASRYKKFDEF FKELLENAEK SLNDMFVKTY GHLYMQNSEL FKDLFVELKR YYVVGNVNLE EMLNDFWARL
LERMFRLVNS QYHFTDEYLE CVSKYTEQLK PFGDVPRKLK LQVTRAFVAA RTFAQGLAVA GDVVSKVSVV NPTAQCTHAL
LKMIYCSHCR GLVTVKPCYN YCSNIMRGCL ANQGDLDFEW NNFIDAMLMV AERLEGPFNI ESVMDPIDVK ISDAIMNMQD
NSVQVSQKVF QGCGPPKPLP AGRISRSISE SAFSARFRPH HPEERPTTAA GTSLDRLVTD VKEKLKQAKK FWSSLPSNVC
NDERMAAGNG NEDDCWNGKG KSRYLFAVTG NGLANQGNNP EVQVDTSKPD ILILRQIMAL RVMTSKMKNA YNGNDVDFFD
ISDESSGEGS GSGCEYQQCP SEFDYNATDH AGKSANEKAD S
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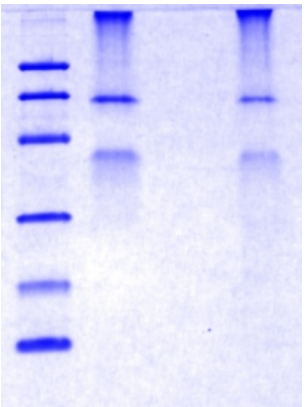
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 90%

SDS-PAGE gel



14 % SDS-PAGE separation of Human Glypican-4:
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and boiled sample, 2.5 µg/lane
3. reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

0.2-0.5 mg/ml in 20 mM Tris buffer, 50 mM NaCl, pH 8.0, 5mM DTT - filtered (0.4 µm), frozen

Reconstitution

Defrost at ambient temperature. 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 protein at -80°C. Protein remains stable until the expiry date when stored at -80°C. Avoid repeated freezing/thawing cycles. The thawed protein can be stored at 4 °C for four days.

Quality Control Test

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.

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