Cysteine-Rich Secretory Protein 1 Human E. coli

Product Data Sheet

Type: Recombinant
Tag: His
Source: E. coli
Species: Human
Other names: CRISP-1, AEG-like protein, ARP, Acidic epididymal glycoprotein homolog, AEGL1

Cat. No.:
RD172260100 (0.1 mg)

Description

Recombinant protein contains amino acids no. Lys 22 - Lys 249 of the protein acc.no. P54107 in UniProtKB. Total 238 AA. MW: 27 kDa (calculated). N-Terminal His-tag (10 extra AA)

Research topic

Reproduction

Amino Acid Sequence

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MKHHHHHHAS KKKSARDQFN KLVTDLPNVQ EEIVNIHNAL RRRVVPPASN MLKMSWSEEA AQNARIFSKY CDMTESNPLE
RRLPNTFCGE NMHMTSYPVS WSSVIGVWYS ESTSFKHGEW TTTDDDITTD HYTQIVWATS YLIGCAIASC RQQGSPRYLY
VCHYCHEGND PETKNEPYKT GVPCEACPSN CEDKLCTNPC IYYDEYFDCD IQVHYLGCNH STTILFCKAT CLCDTEIK
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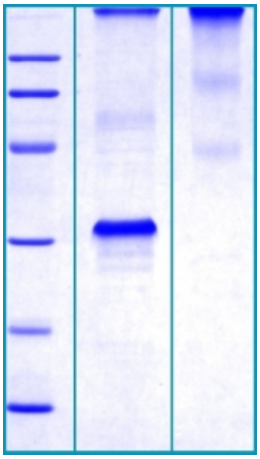
Source

E. coli

Purity

>85%

SDS-PAGE gel



12% SDS-PAGE separation of Human CRISP-1
1. M.W. marker - 97, 66, 45, 31, 21, 14 kDa
2. reduced and boiled sample, 5µg/lane
3. non-reduced and non-boiled sample,5µg/lane

Endotoxin

< 1.0 EU/ug

Formulation

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

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. 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 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. Avoid storage of lyophilized product at room temperature.

Quality Control Test

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

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