

PRODUCT DATASHEET

Interleukin-6 Human HEK293

Cat. No.: RD175015100

Type: Recombinant protein

Size: 0.1 mg

Source: HEK293

Species: Human

Description

Total 189 AA. MW: 21.6 kDa (calculated). UniProtKB acc. no. P05231 (Val30–Met212). C-terminal His-tag (6 extra AA). Protein identity confirmed by LC-MS/MS.

Other names

IL-6, Interferon-beta 2, B-cell stimulatory factor 2, HGF

Amino Acid sequence

VPPGEDSKDV AAPHRQPLTS SERIDKQIRY ILDGISALRK ETCNKS NMCE SSKEALAENN LNLPKMAEKD GCFQSGFNEE
TCLVKIITGL LEFEVYLEYL QNRFESSEEQ ARAVQMSTKV LIQFLQKKAK NLDAITTPDP TTNASLLTKL QAQNQWLQDM
TTHLILRSFK EFLQSSLRAL RQMHHHHHHH

Purity

Purity as determined by densitometric image analysis: > 95 %

Endotoxin

< 0.1 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM 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.

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.

Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

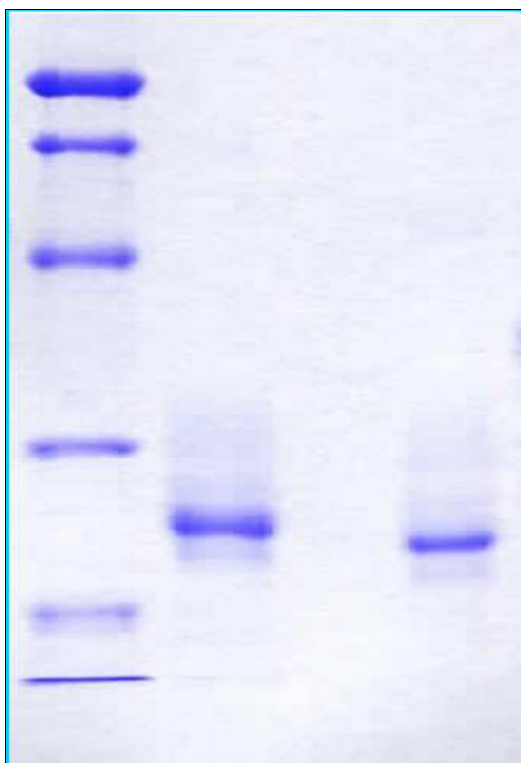
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Human Interleukin-6 :

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 $\mu\text{g}/\text{lane}$
3. Non-reduced and non-boiled sample, 2.5 $\mu\text{g}/\text{lane}$