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

Date of issue: 05.01.2018

# PRODUCT DATASHEET

## IL-34 Human E. coli

**Cat. No.:** RD172476100
**Type:** Recombinant
**Size:** 0.1 mg
**Source:** E. coli
**Species:** Human

**Description**
Total 232 AA. MW: 26.5 kDa (calculated). UniProtKB acc. no. Q6ZMJ4 (Asn21-Pro242). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

**Other names**
C16orf77

**Introduction to the molecule**

**Research topic**
Bone and cartilage metabolism, Immune Response, Infection and Inflammation, Oncology

**Amino Acid sequence**
MKHHHHHHAS NEPLEMWPLT QNEECTVTGF LRDKLQYRSR LQYMKHYFPI NYKISVPYEG VFRIANVTRL QRAQVSEREL RYLWVLVSLS ATESVQDVLL EGHPSWKYLQ EVETLLLNVQ QGLTDVEVSP KVESVLSLLN APGPNLKLVR PKALLDNCFR VMELLYCSCC KQSSVLNWQD CEVPSPQSCS PEPSLQYAAT QLYPPPPWSP SSPPHSTGSV RPVRAQGEGL LP

**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, 5% trehalose, 1mM DTT, pH 7.5.

**Reconstituion:**
Add 200 µl of 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 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.



**BioVendor - Laboratorní medicína a.s.**
Karásek 1767/1
621 00 Brno, Czech Republic

Phone: +420-549-124-185, Fax: +420-549-211-460
E-mail: info@biovendor.com, sales@biovendor.com
Web: www.biovendor.com
There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact

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

Date of issue: 05.01.2018

**Quality control**

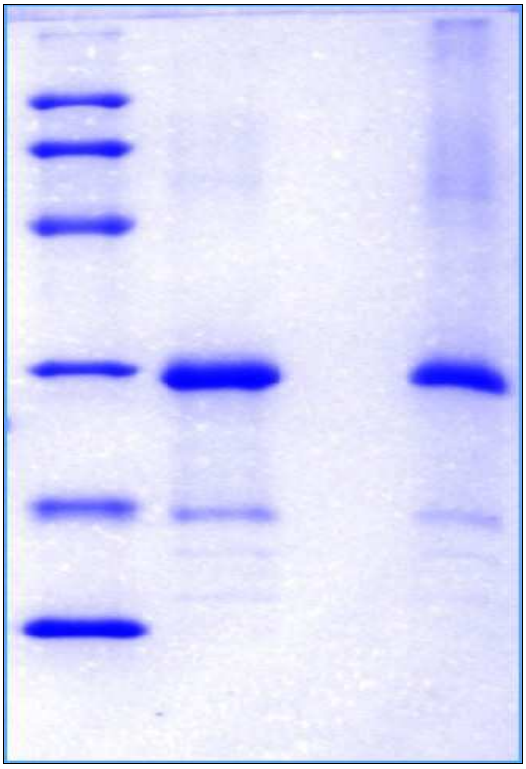
Bradford protein assay to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

**Applications**

ELISA, Western blotting

**Note**

This product is intended for research use only.



14 % SDS-PAGE separation of Human IL-34:
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



**BioVendor - Laboratorní medicína a.s.**
Karásek 1767/1
621 00 Brno, Czech Republic

Phone: +420-549-124-185, Fax: +420-549-211-460
E-mail: info@biovendor.com, sales@biovendor.com
Web: www.biovendor.com

There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact