

Recombinant Human IL-34 Protein

Catalog No.: RP01713

Sequence Information

Species **Gene ID**
human 146433

Swiss Prot **Tags**
Q6ZMJ4 C-6His

Synonyms
IL-34; C16orf77; IL34

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
26.07 kDa 35-38 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL
method

Formulation
Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Interleukin are a group of cytokines that play an important role in the immune system. They modulate inflammation and immunity by regulating growth, mobility and differentiation of lymphoid and other cells. This entry represents interleukin-34 (IL-34), it was identified via functional screening of a library of secreted proteins. This cytokine promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R)

Basic Information

Description

Recombinant human IL-34 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn21-Pro242) of human IL-34 (Accession #NP_689669.2) fused with and a 6×His tag at the C-terminus.

Activity

Measured in a cell proliferation assay using human peripheral blood monocytes. The ED50 for this effect is 4.18-16.74 ng/mL, corresponding to a specific activity of 5.97×10⁴~2.39×10⁵ units/mg.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

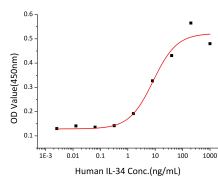
Contact

☎ | 400-999-6126

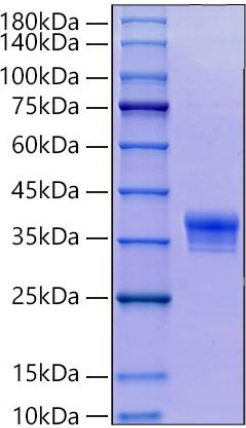
✉ | cn.market@abclonal.com.cn

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Validation Data



Measured in a cell proliferation assay using human peripheral blood monocytes. The ED₅₀ for this effect is 4.18-16.74 ng/mL, corresponding to a specific activity of 5.97 ×10⁴~2.39×10⁵ units/mg.



Recombinant Human IL-34 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.