

## Recombinant Human IL34 protein, His-tagged

**Cat. No.** IL34-2141H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IL34 protein(Q6ZMJ4-1)(Asn 21 - Pro 242), fused with C-terminal His tag, was expressed in HEK293.                                      |
| <b>Species</b>          | Human                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                   |
| <b>ProteinLength</b>    | Asn 21 - Pro 242                                                                                                                                         |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, 0.2 M Arginine, pH7.4 with trehalose as protectant.                                                   |
| <b>Bio-activity</b>     | Immobilized Human M-CSF R, Mouse IgG2a Fc Tag (MALS verified) at 5 µg/mL (100 µL/well) can bind Human IL-34, His Tag with a linear range of 0.4-2 ng/mL. |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 27.3 kDa. The protein migrates as 32 kDa and 35-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.  |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                               |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                          |
| <b>Storage</b>          | For long term storage, the product should be stored at lyophilized state at -20°C or lower.<br>Please avoid repeated freeze-thaw cycles.                 |

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This product is stable after storage at:

-20°C to -70°C for 12 months in lyophilized state;

-70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** IL34 interleukin 34 [ Homo sapiens ]

**Official Symbol** IL34

**Synonyms** IL34; interleukin 34; C16orf77, chromosome 16 open reading frame 77; interleukin-34; IL 34; MGC34647; IL-34; C16orf77;

**Gene ID** 146433

**mRNA Refseq** NM\_001172771

**Protein Refseq** NP\_001166242

**MIM** 612081

**UniProt ID** Q6ZMJ4

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