

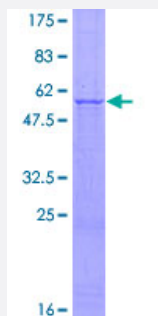
Full-Length

IL27 (Human) Recombinant Protein (P01)

Catalog # H00246778-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IL27 full-length ORF (AAH62422.1, 1 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGQTAGDLGWRLSLLLLPLLLVQAGVWGFP RPPGRPQLSLQELRREFTVSLHLARKLLAEVRGQ
AHRFAESHLPGVNLYLLPLGEQLPDVSLTFQAWRRLS DPERLCFISTTLQPFHALLGGLGTQGRW
TNMERMLWAMRLDLRDLQRHLRFQVLAAGFNLPEEEEEEEEEEEEEERKGLLP GALGSALQGP
AQVSWPQLLSTYRLLHSLELVLSRAVRELLLLSKAGHSVWPLGFPTLSPQP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IL27

Entrez GeneID [246778](#)

GeneBank Accession# [BC062422.1](#)

Protein Accession# [AAH62422.1](#)

Gene Name IL27

Gene Alias IL-27, IL-27A, IL27p28, IL30, MGC71873, p28

Gene Description interleukin 27

Omim ID [608273](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is one of the subunits of a heterodimeric cytokine complex. This protein is related to interleukin 12A (IL12A). It interacts with Epstein-Barr virus induced gene 3 (EBI3), a protein similar to interleukin 12B (IL12B), and forms a complex that has been shown to drive rapid expansion of naive but not memory CD4(+) T cells. The complex is also found to synergize strongly with interleukin 12 to trigger interferon gamma (IFNG) production of naive CD4(+) T cells. The biological effects of this cytokine are mediated by the class I cytokine receptor (WSX1/TCRR). [provided by RefSeq]

Other Designations IL-27 p28 subunit|OTTHUMP00000122516|interleukin 30|interleukin-27 subunit alpha

Publication Reference

- [Interleukin \(IL\)-6 Inhibits IL-27- and IL-30-Mediated Inflammatory Responses in Human Monocytes.](#)

Petes C, Mariani MK, Yang Y, Grandvaux N, Gee K.

Frontiers in Immunology 2018 Feb; 9:256.

Application: Func, Human, THP-1 cells

- [IL-27 driven upregulation of surface HLA-E expression on monocytes inhibits IFN-γ release by autologous NK cells.](#)

Morandi F, Airoidi I, Pistoia V.

Journal of Immunology Research 2014 Mar; 2014:938561.

Application: Added, Recombinant protein

- [Interleukin-30 expression in prostate cancer and its draining lymph nodes correlates with advanced grade and stage.](#)

Di Meo S, Airoidi I, Sorrentino C, Zorzoli A, Esposito S, Di Carlo E.

Clinical Cancer Research 2014 Feb; 20(3):585.

Application: Incubated, Recombinant protein

Disease

- [Asthma](#)
- [Brain Neoplasms](#)
- [Bronchiolitis](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Infant](#)
- [Inflammatory Bowel Diseases](#)
- [Nasopharyngeal Neoplasms](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)