

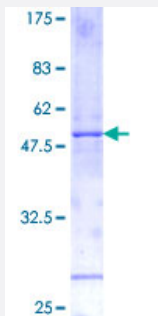
Full-Length

IL11 (Human) Recombinant Protein (P01)

Catalog # H00003589-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IL11 full-length ORF (NP_000632, 1 a.a. - 199 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNCVCRLVLVLSLWPDTA VAPGPPPGPPRVSPDPRAELDSTVLLTRSLADTRQLAAQLRDKF
PADGDHNLDSLPTLAMSAGALGALQLPGVLTRLRADLLSYLRHVQWLR RAGGSSLKTEPELGTL
QARLDRLLRRLQLLMSRLALPQPPDPAPPLAPPSSAWGGIRAALAILGGLHLTDWAVRGLLL
LKTRL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

47.52

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 — IL11

Entrez GeneID [3589](#)

GeneBank Accession# [BC012506.1](#)

Protein Accession# [NP_000632](#)

Gene Name IL11

Gene Alias AGIF, IL-11

Gene Description interleukin 11

Omim ID [147681](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). This cytokine is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells. [provided by RefSeq]

Other Designations adipogenesis inhibitory factor|oprelvekin

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)