

Bioactive

IL11 (Human) Recombinant Protein

Catalog # P7097

Size 5 ug

Applications

Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human IL 11 (P202809-1, 22 a.a. - 199 a.a.) partial recombinant protein expressed in CHO cell.
Sequence	PGPPPGPPRVSPDPRAELDSTVLLTRSLADTRQLAAQLRDKFPADGDHNLDLPTLAMSAGAL GALQLPGVLTRLRADLLSYLRHVQWLRRAGGSSL
Host	Mammals
Theoretical MW (kDa)	23
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.2 EU per 1 ug of protein (determined by gel clotting method).
Activity	ED ₅₀ < 5.0 ng/ml, measured in a proliferation assay using T11 cells.
Storage Buffer	Lyophilized from PBS up to 100 ug/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Result of bioactivity analysis
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Applications

- Functional Study
- SDS-PAGE

Gene Info — IL11

Entrez GeneID [3589](#)

Protein Accession# [P20809-1](#)

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](#)