

Recombinant mouse IL-3 protein

Catalog Number: ATGP3211

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

27-166aa

UniProt No.

P01586

NCBI Accession No.

NP_034686

Alternative Names

IL-3, Multipotential colony-stimulating factor(multi-CSF), Mast cell growth factor(MCGF), Interleukin 3 (colony-stimulating factor, multiple), MuLTI-CSF, MCGF, Multilineage-colony-stimulating factor, Hematopoietic growth factor, P-cell stimulating factor, Mast-cell growth factor

PRODUCT SPECIFICATION

Molecular Weight

16.7 kDa (148aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Biological Activity

Measured in a cell proliferation assay using BaF3 mouse pro-B cells. The ED50 range ≤ 0.1 ng/ml.

Tag

His-Tag

Application

SDS-PAGE, Bioactivity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

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BACKGROUND

Description

IL3, also known as interleukin 3, is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. In addition, it also affects the functional activity of mature mast cells, basophils, eosinophils and macrophages. Recombinant mouse IL3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

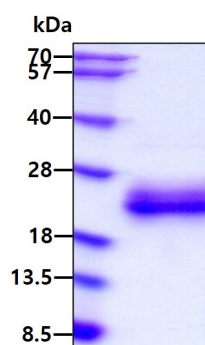
ASISGRDTHR LTRLNLCSSV VKEIIGKLPE PELKTDDEGP SLRNKSFRRV NLSKFVESQG EVDPEDRYVI KSNLQKLNCC LPTSANDSAL PGVFIRLDLD FRKKLRFYMV HLNDLETVLT SRPPQPASGS VSPNRGTVEC <LEHHHHHH>

General References

- Yokota, T., et al. (1984) Proc. Natl. Acad. Sci. USA 81:1070.
- Miyatake., S. et al. (1985) Proc. Natl. Acad. Sci. USA 82:316.
- Knepper T.P., et al. (1992) Biochemistry 31:11651-11659.

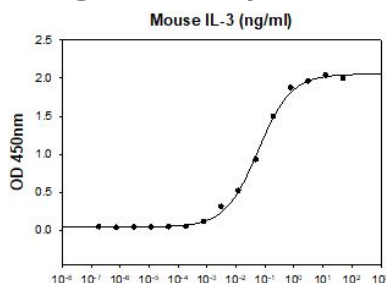
DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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