

CHASELECTION

Recombinant Human Interleukin-3/ IL-3

Catalog Number: CY021F0XXX

Synonym: Interleukin-3, MCGF (Mast cell growth factor), Multi-CSF, HCGF, P-cell stimulation factor

Source: *E.coli*

Structure:

NO.: P08700

AA Sequence:

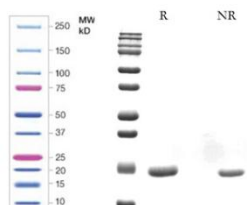
APMTQTSLK TSWVNCSNMI DEIITLKQP
PLPLDFNNL NGEDQDILME NNLRRPNLEA
FNRAVKSLQN ASAIESILKN LLPCLPLATA
APTRHPIHK DGDWNEFRRK LTFYKLTLEN
AQAQQTTLSL AIF

Molecular Weight: 15.21kDa

Purity:

≥95 % (SDS-PAGE & HPLC)

SDS-PAGE



Endotoxin: <0.5 EU/μg

Formulation:

20mM Tris, 150mM NaCl, pH8.0

Reconstitution:

1. Before opening, please briefly centrifuge the contents to the bottom;
2. It is recommended to initially dissolve in sterile deionized water to an appropriate concentration (recommended concentration is 0.2-1mg/ml);
3. If further dilution is required, it is recommended to dilute the solution with a solution containing carrier proteins (such as 0.1% BSA, 10% FBS, and 5% HSA).

Shipping & Storage:

The product is shipped with blue ice.

If long-term storage is required, this product should be stored at ≤ -20 °C, please avoid repeated freeze-thaw cycles.

1. Dry powder can be stored at ≤ -20°C for at least 24 months;
2. After reconstitution, it can be stored for 1 month under sterile conditions at 2-8 °C ;
3. After reconstitution, it can be stored for 12 months under sterile conditions at -20~-70°C.

Description:

Interleukin 3 (IL-3) is a protein that in humans is encoded by the IL3 gene localized on chromosome 5q31.1. Sometimes also called colony-stimulating factor, multi-CSF, mast cell growth factor, MULTI-CSF, MCGF; MGC79398, MGC79399: the protein contains 152 amino acids and its molecular weight is 17 kDa. IL-3 is produced as a monomer by activated T cells, monocytes/macrophages and stroma cells. The major function of IL-3 cytokine is to regulate the concentrations of various blood-cell types. It induces proliferation and differentiation in both early pluripotent stem cells and committed progenitors. It also has many more specific effects like the regeneration of platelets and potentially aids in early antibody isotype switching.

