

CHASELECTION

Recombinant Human Interleukin-6/ IL-6

Catalog Number: CY042F0XXX

Synonym: IFN- β 2, B cell differentiation factor (BCDF), BSF-2, HPGF, HSF, MGI-2

Source: *E.coli*

Structure:

The protein carries no tag.

AA Sequence:

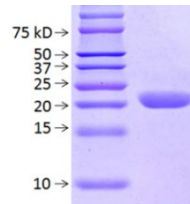
PVPPGEDSKD VAAPHRQPLT SSERIDKQIR
YILDGISALR KETCNKSNMC ESSKEALAEN
NLNLPKMAEK DGCFSQSGFNE ETCLVKIITG
LLEFEVYLEY LQNRFSSEE QARAVQMSTK
VLIQFLQKKA KNLDAITTPD PTTNASLLTK
LQAQNQWLQD MTTHLILRSF KEFLQSSLRA
LRQM

Molecular Weight: 20.9 kDa

Purity:

≥90% as determined by SDS-PAGE & HPLC.

SDS-PAGE :



Greater than 98% by SDS-PAGE gel and HPLC analyses.

Endotoxin: < 0.1 EU/μg

Formulation: PBS,pH7.2

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 0.5-1mg/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 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:

IL-6 is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. Produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes, IL-6 has diverse biological functions. It stimulates B cell differentiation and antibody production, synergizes with IL-3 in megakaryocyte development and platelet production, induces expression of hepatic acute-phase proteins, and regulates bone metabolism. IL-6 signals through the IL-6 receptor system that consists of two chains, IL-6R α and gp130. Murine IL-6 is inactive on human cells, while both human and murine are equally active on murine cells. Recombinant Human IL-6 is a 20.9 kDa protein containing 184 amino acid residues.

