

IL-4 Protein, Rat, Recombinant

General Information

Synonyms:	IL4;B-cell stimulatory factor 1;BSF-1;Lymphocyte stimulatory factor 1;B-cell IGG differentiation factor;B-cell growth factor 1;Interleukin-4
Protein Construction:	23-147 aa
Species:	Rat
Expression Host:	E. coli
Accession:	P20096
Molecular Weight:	14.0 kDa (Predicted)
AA Sequence:	HGCNDSPLRE IINTLNQVTE KGTPCTEMFV PDVLTATRNT TENELICRAS RVLRFYFPR DVPPCLKNKS GVLGELRKLC RGVSGLNLSL SCTVNESTLT TLKDFLESLE SILRGKYLQS CTSMS

QC Testing

Biological Activity:	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using rat splenocytes is less than 1.0 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg.
Purity:	$> 95\%$ as determined by SDS-PAGE and HPLC.
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 μ m filtered concentrated solution in PBS, pH 7.4, 5% trehalose.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water containing 0.1% BSA. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C . For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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