Bioactive

IL6 (Human) Recombinant Protein

Catalog # P8289 Size 2 x 10 ug

Specification

Product Description	Human IL6 (P05231, 30 a.a. - 212 a.a.) partial recombinant protein with His tag at C-terminus expressed in Sf9 cells.
Sequence	VPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKEALAENN_x005F_x000D__x000D_ LNLPKMAEKDGCFQSGFNEETCLVKIITGLLEFEVYLEYLQNRFESSEEQARAVQMSTKV_x005F_x000D__x000D_ LIQFLQKKAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMTTHLILRSFKEFLQSSLRALRQMHHHHHH
Host	insect
Theoretical MW (kDa)	21.6
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 95% by SDS-PAGE
Activity	The ED_{50} is 0.2 - 0.8 ng/mL, measured in a cell proliferation assay using TF-1 human erythroleukemic cell.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- SDS-PAGE

Gene Info — IL6

Entrez GeneID	3569
Protein Accession#	P05231
Gene Name	IL6
Gene Alias	BSF2, HGF, HSF, IFNB2, IL-6
Gene Description	interleukin 6 (interferon, beta 2)
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytokine that functions in inflammation and the maturation of B cells. The pro tein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease st ates, including suspectibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. [provi ded by RefSeq
Other Designations	interleukin 6

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