

Human IL6 Recombinant Protein

PX-P3013-10

DESCRIPTION

Recombinant Human Interleukin 6 (IL6) is a multifunctional protein initially discovered in the media of cells stimulated with double stranded DNA. It is a pleiotropic cytokine that plays an important role in multiple cellular processes including inflammation, immune response and hematopoiesis. IL-6 is produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes and has diversified biological functions. It provokes B cell differentiation and antibody production, synergizes with IL-3 in megakaryocyte development and platelet production, promotes expression of hepatic acute-phase proteins, and readjust bone metabolism. IL-6 signals through the IL-6 receptor system that consists of two chains, IL-6R α and gp130.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Human
FRAGMENT	
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	49.8 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Eukaryotic expression
HOST	mammalian
PURITY	95%
PROTEIN ACCESSION	
FORM	Frozen
BUFFER	PBS, pH 7.5
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID

SWISSPROTID

UNIPROT ID P05231

UNIPROT LINK <http://www.uniprot.org/uniprot/P05231>

NCBI GENE ALIASES

SYNONYMS

Interleukin 6, IL-6, MGI2-A, MGI2A, HGF, BSF2, HSF, IFNB2, B-Cell Stimulatory Factor-2, B-cell stimulatory factor 2, Hybridoma/Plasmacytoma Growth Factor, Hepatocyte Stimulating Factor, Cytotoxic T-Cell Differentiation Factor, CTL differentiation factor, CDF, Hybridoma growth factor, Interferon beta-2, IFN-beta-2, BSF-2

PROTEIN SEQUENCE

MNSFSTSAFGPVAFSLGLLLVLPAAFPAPVPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISA LRKETCNKSNMCESSKEALAENNLNLPKMAEKDGCFSGFN
EETCLVKIITGLLEFEVYLEYLQNRFESEEQARAVQMSTKVLIQFLQKKAKNLDAITPDPTNASLLTKLQAQNQWLQDMTTHLILRSFKEFLQSSLRALRQMD
DDDKDKTHTCPPCPAPPELLGGPSVFLFPPKPKDQLMISRTP

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