9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1386: mIL 2 His Recombinant Protein(Discontinued)

Alternative Name : Interleukin-2,T-cell growth factor (TCGF),Aldesleukin,Lymphokine,IL-2,Il2.

Description

Source : Escherichia Coli. Interleukin-2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (21-169 a.a) and having a molecular mass of 19.5kDa. The mouse IL-2 is fused to a 20 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques. IL2 is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

Product Info

Amount :	50 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The Mouse IL2 protein (0.5mg/ml) is supplied in Phosphate Buffered Saline (pH7.4) 0.1M NaCl, and 20% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAPTSSSTSS STAEAQQQQQ QQQQQQQHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSDNTFE CQFDDESATV VDFLRRWIAF CQSVISTSPQ.

Application Note

Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is

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