

**IL2(C160S), 21-169aa, Mouse, His tag, E.coli**

**Cat.NO.: TP02629**

3th Edition

**Synonyms:** Interleukin-2, IL-2, T-cell growth factor, TCGF

**Description:** IL2 (Interleukin2), also known as T cell growth factor (TCGF), is an immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL2/IL-2R signaling is required for T-cell proliferation and other fundamental functions which are essential for the immune response. IL2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes. Recombinant mouse IL2 was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

**Form:** Liquid. In Phosphate Buffered Saline (pH7.4), 10% glycerol

**Molecular Weight:** 17.3kDa (150aa) confirmed by MALDI-TOF

**Sequences:**

MAPTSSSTSSSTA EAQQQQQQQQQQQHLEQLLMDLQELLSRMENYRN LKLPRMLTFKFYLPKQATELKDLQCL  
EDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLKGS DNTFECQFDDESATVVD FLRRWIAFSQSIISTSPQ

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by BCA assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.