

Interleukin-2 Feline Recombinant

Item Number	rAP-0502
Synonyms	Interleukin-2, IL-2, T-cell growth factor, TCGF, IL2.
Description	IL2 Feline Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 157 amino acids (21-154 a.a) and having a molecular mass of 17.8kDa. IL2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q07885
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSAPASSST KETQQQLEQL LLDLRLLLNG VNNPENPKLS RMLT-FKIFYVP KKATELTHLQ CLVEELKPLE EVLYLAQSKN FHLNHIKELM SNINVTVLKL KGSETRFTCN YDDETATIVE FLNKWITFCQ SIFSTLT.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	IL2 protein solution (0.25mg/ml) containing 20mM Tris-HCl(pH8.0), 0.15M NaCl and 30% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 for this effect is less or equal to 0.3ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**