

Cytotoxic T-Lymphocyte Associated Antigen-4 Human Recombinant

Item Number	rAP-0403
Synonyms	GSE, CD152, IDDM12, CELIAC3, CTLA-4.
Description	CTLA 4 Human Recombinant produced in E. coli is a single polypeptide chain containing 149 amino acids (36-161) and having a molecular mass of 15.9 kDa. CTLA 4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P16410
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSKAMHVAQ PAVVLASSRG IASFVCEYAS PGKATEVRVT VLRQAD-SQVT EVCAATYMMG NELTFLDDSI CTGTSSGNQV NLTIQGLRAM DTGLYICKVE LMYPPPYYLG IG-NGTQIYVI DPEPCPDS.
Source	Escherichia 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	The CTLA 4 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
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**