



Catalog Number: PR27297

Product Type: Recombinant Protein

Source: E. Coli

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSAQEVQQS PHCTTVPVGA SVNITCSTSG GLRGIYLRQL
GPQPQDIYY EDGVVPTTDR RFRGRIDFSG SQDNLITMH RLQLSDTGTY TCQAITEVNV
YGSGLVLVLT EEQSQGWHRG SDAPPRASAL PAPPTGSALP DPQTASALPD PPAASALP.

Description/Molecular Mass: T-cell antigen CD7 (CD7) is a type I transmembrane glycoprotein which is expressed on pluripotential hemopoietic cells, nearly all human thymocytes and some peripheral blood T cells. The CD7 molecule is missing in a subset of human T cells under some physiologic conditions. An increase in CD7 negative T cells can be observed in a number of inflammatory skin diseases.

CD7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 178 amino acids (26-180 a.a) and having a molecular mass of 18.8 kDa. CD7 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Purity: Greater than 90.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD7 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Storage: 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.

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