



Catalog Number: PR27296

Product Type: Recombinant Protein

Source: E. Coli

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MGSRLSWYDP DFQARLTRSN SKCQGQLEVY LKDGWHMVCS QSWGRRSSKQW EDPSQASKVC QRLNCGVPLS LGPFLVITYP QSSIICYGQL GSFSNCSHSR NDMCHSLGLT CLEPQKTPPP TTRPPPTTTP EPTAPPRLQL VAQSGGQHCA GVVEFYSGSL GGTISYEAQD KTQDLENFLC NNLQCGSFLK HLPETEAGRA QDPGEPREHQ PLPIQWKIQN SSCTSLEHCF RKIKPQKSGR VLALLCSGFQ PKVQSRLVGG SSICEGTVEV RQGAQWAALC DSSSARSLR WEEVCREQQC GSVNSYRVLD AGDPTSRGLF CPHQKLSQCH ELWERNZYCK KVFVTCQDPN P.

Description/Molecular Mass: CD5 is a suitable immunohistochemical marker for T-cells, though not as sensitive as CD3. Approximately 76% of T-cell neoplasms are reported to express CD5, and it is also observed in chronic lymphocytic leukemia, hairy cell leukemia, and mantle cell lymphoma cells. CD5 is commonly lost in cutaneous T-cell lymphoma, and its deficiency can be used as an indicator of malignancy in this condition. CD5's absence in T cell acute lymphoblastic leukemia, though relatively rare, is linked with a poor prognosis. CD5 serves as a receptor in regulating T-cell proliferation.

CD5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 371 amino acids (25-372) and having a molecular mass of 41.0 kDa.

CD5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Purity: Greater than 80.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: The CD5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.

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.

FOR RESEARCH USE ONLY

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