

Product information



CD5, 25-372aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2639

Full name: T-cell surface glycoprotein CD5

NCBI Accession No.: NP_055022

Synonyms: LEU1, T1

Description: CD5 is a good immunohistochemical marker for T-cells, although not as sensitive as CD3. About 76% of T-cell neoplasms are reported to express CD5, and it is also found in chronic lymphocytic leukemia, hairy cell leukemia, and mantle cell lymphoma cells. It is commonly lost in cutaneous T-cell lymphoma, and its absence can be used as an indicator of malignancy in this condition. The absence of CD5 in T cell acute lymphoblastic leukemia, while relatively rare, is associated with a poor prognosis. Recombinant human CD5 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

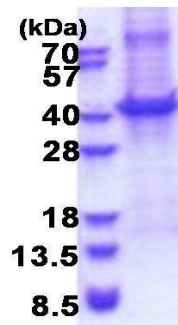
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

0.4M Urea

Molecular Weight: 41.0 kDa(371 aa)

Purity: > 80% by SDS - PAGE

Concentration: 1mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSRLSWYDP DFQARLTRSN SKCQQQLEVY LKDGWHMVCS QSWGRSSKQW EDPSQASKVC QRLNCGVPLS
LGPFLVTYTP QSSIICYGQL GSFSNCSSHR NDMCHSLGLT CLEPQKTPP TTRPPPTTTP EPTAPPRLQL VAQSGGQHCA GVVEFYSGSL
GGTISYEAQD KTQDLENFLC NNLQCGSFLK HLPETEAGRA QDPGEPREHQ PLPIQWKIQN SSCTSLEHCF RKIKPKQKSGR VLALLCSGFQ
PKVQSRVLGG SSICEGTVEV RQGAQWAALC DSSSARSSLR WEEVCREQQC GSVNSYRVL D AGDPTSRGLF CPHQKLSQCH ELWERNYSYK
KVFVTCQDPN P

General references:

Berland R. *et al.* (2002) *Annu. Rev. Immunol.* 20:253–300.

Osman N. *et al.* (1992) *Eur. J. Immunol.* 22:2995–3000.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246

Fax.: (763) 780-2988

Email: info@ibl-america.com

Web: www.ibl-america.com