

CD5, human recombinant

CATALOG #: 7315-50 50 µg

ALTERNATE NAMES: T-cell surface glycoprotein CD5, LEU1, T1

SOURCE: E. coli

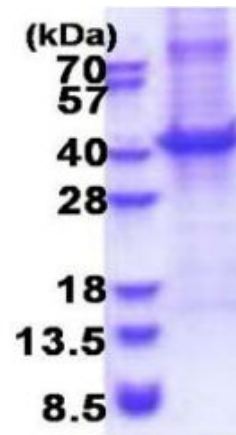
PURITY: > 80% by SDS-PAGE

MOL. WEIGHT: 41.0 kDa (371 aa, 25-372 aa + His tag), confirmed by MALDI-TOF.

ENDOTOXIN LEVEL: < 1.0 EU per 1 µg of protein

FORM: Liquid

FORMULATION: 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol.



15% SDS-PAGE (3µg)

CD5, human recombinant

STORAGE CONDITIONS: 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.

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.

AMINO ACID SEQUENCE:

MGSSHHHHHH	SSGLVPRGSH	MGSRLSWYDP
DFQARLTRSN	SKCQGQLEVY	LKDGWHMVCS
QSWGRSSKQW	EDPSQASKVC	
QRLNCGVPLS	LGPFLVTYTP	QSSIICYGQL
GSFNSCNSHR	NDMCHSLGLT	
CLEPQKTTTP	TTRPPPTTTP	EPTAPPRLQL
VAQSGGQHCA	GVVEFYSGSL	
GGTISYEAQD	KTQDLENFLC	NNLQCGSFLK
HLPETEAGRA	QDPGEPREHQ	
PLPIQWKIQN	SSCTSLEHCF	RKIKPQKSGR
VLALLCSGFQ	PKVQSRLVGG	
SSICEGTVEV	RQGAQWAALC	DSSSARSSLR
WEEVCREQQC	GSVNSYRVLD	
AGDPTSRGLF	CPHQKLSQCH	ELWERNZYCK
KVFVTCQDPN	P	

RELATED PRODUCTS:

- CD1E, human recombinant (Cat. No. 7308-100)
- CD200, human recombinant (Cat. No. 7309-100)
- CD226, human recombinant (Cat. No. 7310-100)
- CD274, mouse recombinant (Cat. No. 7311-100)
- CD300C, human recombinant (Cat. No. 7312-100)
- CD3G, human recombinant (Cat. No. 7313-100)
- CD46, human recombinant (Cat. No. 7314-100)
- CD7, human recombinant (Cat. No. 7316-100)
- CD74, human recombinant (Cat. No. 7317-100)
- CD79B, human recombinant (Cat. No. 7318-100)
- CD84, human recombinant (Cat. No. 7319-100)
- CD8B, human recombinant (Cat. No. 7320-100)

FOR RESEARCH USE ONLY! Not to be used in humans.