

Product information

CD5, 25-372aa

Human, His-tagged, Recombinant, Insect cell

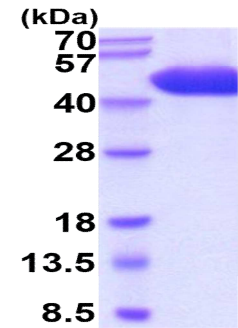
Cat. No. IBATGP3534

Full name: T-cell surface glycoprotein CD5

NCBI Accession No.: NP_055022

Synonyms: CD5, LEU1, T1

Description: CD5, as known as T-cell surface glycoprotein CD5, is a transmembrane glycoprotein in the scavenger receptor superfamily. This protein was found expressed in small lymphocytic lymphoma, hairy cell leukemia and mantle cell lymphoma cells. CD5 expression on developing thymocytes is positively regulated by signaling through the T cell antigen receptor and is up-regulated peripheral CD4+ cell. Also, its Signaling inhibits the generation of regulatory T cells but promotes the development of Th17 cells. Recombinant human CD5, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

<p>Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p>Molecular Weight: 40.0kDa (359aa) 40-57kDa (SDS-PAGE under reducing conditions.)</p> <p>Predicted N terminal: Ala</p> <p>Purity: > 95% by SDS - PAGE.</p> <p>Concentration: 0.5mg/ml (determined by Absorbance at 280nm)</p> <p>Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)</p>	 <p>15% SDS-PAGE (3µg)</p>
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Sequences of amino acids:

ADPEFRLSWY DPDFQARLTR SNSKCGGQLE VYLKDGWHMV CSQSWGRSSK QWEDPSQASK VCQRLNCGVP LSLGPFLVTV TPQSSIICYG
 QLGFSNCSH SRNDMCHSLG LTCLEPQKTT PPTTRPPPTT TPEPTAPPRL QLVAQSGGQH CAGVVEFYSG SLGGTISYEA QDKTQDLENF
 LCNNLQCGSF LKHLPETEAG RAQDPGEPRE HQPLPIQWKI QNSSCTSLEH CFRKIKPQKS GRVLALLCSG FQPKVQSRLV GGSSICEGTV
 EVRQGAQWAA LCDSSSARSS LRWEEVCREQ QCGSVNSYRV LDAGDPTSRG LFCPHQKLSQ CHELWERNYS CKKVFVTCQD PNPHHHHH

General references:

Cenit MC., *et al*, (2014) *PLoS ONE* 9:E113090.

Alinari L., *et al*, (2016) *Am. J. Hematol.* 91:395-399.

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.