Recombinant Human CD5 protein, His-tagged

Cat. No. CD5-135H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD5(25-372aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	25-372 a.a.
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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	40.0kDa (359aa) 40-57kDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADPEFRLSWY DPDFQARLTR SNSKCQGQLE VYLKDGWHMV CSQSWGRSSK QWEDPSQASK VCQRLNCGVP LSLGPFLVTY TPQSSIICYG QLGSFSNCSH SRNDMCHSLG LTCLEPQKTT PPTTRPPPTT TPEPTAPPRL QLVAQSGGQH

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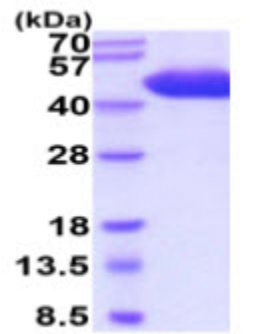
	CAGVVEFYSG SLGGTISYEA QDKTQDLENF LCNNLQCGSF LKHLPETEAG RAQDPGEPRE HQPLPIQWKI QNSSCTSLEH CFRKIKPQKS GRVLALLCSG FQPKVQSRLV GGSSICEGTV EVRQGAQWAA LCDSSSARSS LRWEEVCREQ QCGSVNSYRV LDAGDPTSRG LFCPHQKLSQ CHELWERNSY CKKVFVTCQD PNPHHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	> 95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	CD5 CD5 molecule [Homo sapiens]
Official Symbol	CD5
Synonyms	CD5; CD5 molecule; CD5 antigen (p56 62) , LEU1; T-cell surface glycoprotein CD5; T1; CD5 antigen (p56-62); lymphocyte antigen T1/Leu-1; LEU1;
Gene ID	921
mRNA Refseq	NM_014207

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Protein Refseq	NP_055022
MIM	153340
UniProt ID	P06127
Chromosome Location	11q13
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem;
Function	glycoprotein binding; protein binding; receptor activity; scavenger receptor activity; transmembrane signaling receptor activity;



15% SDS-PAGE (3ug)

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