

Recombinant Human CD5 Protein, His-tagged

Cat. No. CD5-163H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD5 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	495
Description	This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Lyophilized
Molecular Mass	40.5 kDa
AA Sequence	MPMGSLQPLATLYLLGMLVASCLGRLSWYDPDFQARLTRSNSKCGQQLLEVYLKDG WHMVCSSQSWGRSSKQWEDPSQASKVCQRLNCGVPLSLGPFLVITYTPQSSIICYGQ LGSFSNCSHSRNDMCHSLGLTCLPQKTTPTTRPPPTTTPEPTAPPRLQLVAQSG GQHCAGVVEFYSGSLGGTISYEAQDKTQDLENFLCNNLQCGSFLKHLPETEAGRAQ DPGEPREHQPLPIQWKIQNSSCTSLEHCFRKHKIPQKSGRVLALLCSGFQPKVQSRLV

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GGSSICEGTVEVRQGAQWAALCDSSSARSSLRWEEVCREQQCGSVNSYRVLDAG
 DPTSRGLFCPHQKLSQCHELWERNZYCKKVFVTCQDPNPAGLAAGTVASIILALVLL
 VVLLVVCPLAYKLVKKFRQKKQRQWIGPTGMNQNMFSHRNHTATVRSHAENPT
 ASHVDNEYSQPPRNSHLSAYPALEGALHRSSMQPDNSSDSDYDLHGAQRL

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name CD5 CD5 molecule [Homo sapiens (human)]

Official Symbol CD5

Synonyms CD5; CD5 molecule; CD5 antigen (p56 62) , LEU1; T-cell surface glycoprotein CD5;

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T1; CD5 antigen (p56-62); lymphocyte antigen T1/Leu-1; LEU1;

Gene ID 921

mRNA Refseq NM_014207

Protein Refseq NP_055022

MIM 153340

UniProt ID P06127

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