

Recombinant Human CD37 Protein, Fc-tagged

Cat. No. CD37-154H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD37 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	281
Description	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms.
Form	Lyophilized
Molecular Mass	42.1 kDa
AA Sequence	MSAQESCLSLIKYFLVFVFNLFVFLGSLIFCFGIWILIDKTSFVSVFVGLAFVPLQIWSKV LAISGIFTMGIALLGCVGALKELRCLLGLYFGMLLLLFATQITLGILISTQRAQLERSLRD VVEKTIQKYGTNPEETAEEESWDYVQFQLRCCGWHYPQDWFQVLILRGNNGSEHR VPCSCYNLSATNDSTILDKVILPQLSRLGHLARSRHSADICAVPAESHIYREGCAQGL

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QKWLHNNLISIVGICLGVGLLELGFMTLSIFLCRNLDHVYNRLARYR

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 CD37 CD37 molecule [Homo sapiens (human)]

Official Symbol CD37

Synonyms CD37; CD37 molecule; CD37 antigen; leukocyte antigen CD37; TSPAN26; tspan-26; tetraspanin-26; leukocyte surface antigen CD37; cell differentiation antigen 37; GP52-40; MGC120234;

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Gene ID	951
mRNA Refseq	NM_001040031
Protein Refseq	NP_001035120
MIM	151523
UniProt ID	P11049

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