Recombinant Human CD37 Protein, Fc Tagged

Cat. No. CD37-11212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD37, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Arg 112-Asn 241 (Accession # P11049-1). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Arg 112
Species	Human
Source	HEK293
ProteinLength	112-241 aa
Description	Leukocyte antigen CD37 (CD37) is also known as Tetraspanin-26 (Tspan-26) and TSPAN26, which is a member of the transmembrane 4 superfamily or tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins encoded by CD37 gene mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD37 is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. CD37 may play a role in T-cell-B-cell interactions.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 41.3 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

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;
Gene ID	951
mRNA Refseq	NM_001040031
Protein Refseq	NP_001035120
MIM	151523

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UniProt ID	P11049

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