

Recombinant Human CD53 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD53-4283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD53 MS Standard C13 and N15-labeled recombinant protein (NP_000551) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants.
Molecular Mass	24.2 kDa
AA Sequence	MGMSSLKLLKYVLFFFNLLFWICGCCILGFGIYLLIHNNFGVLFHNLPSLT LGNVFVIV GSIIMVVAFLGCMGSIKENKCLLMSFFILLIILAEVTLAILLFVYEQKLNEYVAKGLTD SIHRYHSDNSTKAAWDSIQSFLQCCGINGTSDWTSGPPASCPSDRKVEGCYAKARL

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	WFHSNFLYIGIITICVCVIEVLGMSFALTLCNQIDKTSQTIGLTRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

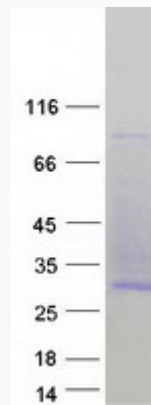
GENE INFORMATION

Gene Name	CD53 CD53 molecule [Homo sapiens (human)]
Official Symbol	CD53
Synonyms	CD53; CD53 molecule; CD53 antigen, MOX44; leukocyte surface antigen CD53; TSPAN25; tspan-25; CD53 antigen; tetraspanin-25; CD53 glycoprotein; cell surface antigen; CD53 tetraspan antigen; transmembrane glycoprotein; cell surface glycoprotein CD53; antigen MOX44 identified by monoclonal MRC-OX44; MOX44;
Gene ID	963
mRNA Refseq	NM_000560
Protein Refseq	NP_000551

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MIM 151525**UniProt ID** P19397**SDS-PAGE** 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