

Product datasheet for PH308095

CD53 (NM_000560) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD53 MS Standard C13 and N15-labeled recombinant protein (NP_000551)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208095
Predicted MW:	24.2 kDa
Protein Sequence:	>RC208095 representing NM_000560 Red=Cloning site Green=Tags(s) MGMSLLKLLKYVLFNLLFWICGCCILGFGIYLLIHNFGVLFHNLPSLTLGNVFIIVGSIIMVVAFLG CMGSIKENKCLLMSFFILLIILLAEVTLAILLFYEQKLNEYVAKGLTDSIHRYSNDNSTKAAWDSIQS FLQCCGINGTSDWTSPPASCPSDRKVEGCVAKARLWFHSNFLYIGIITICVIVIEVLGMSFALTLNCQI DKTSQTIGL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000551
RefSeq Size:	1567
RefSeq ORF:	657
Synonyms:	MOX44; TSPAN25
Locus ID:	963
UniProt ID:	P19397



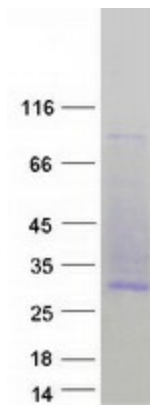
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Cytogenetics: 1p13.3

Summary: 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. [provided by RefSeq, Mar 2016]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified CD53 protein (Cat# [TP308095]). The protein was produced from HEK293T cells transfected with CD53 cDNA clone (Cat# [RC208095]) using MegaTran 2.0 (Cat# [TT210002]).