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Product datasheet for PH302000

CD9 (NM_001769) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD9 MS Standard C13 and N15-labeled recombinant protein (NP_001760)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202000
Predicted MW:	25.4 kDa
Protein Sequence:	>RC202000 protein sequence Red=Cloning site Green=Tags(s) MPVKGGTKCIKYLLFGFNFIFWLAGIAVLAIGLWLRFDSQTKSIFEQETNNNNSSFYTGVYILIGAGALM MLVGFLGCCGAVQESQCMLGLFFGFLLVIFAIEIAAAIWGYSHKDEVIKEVQEFYKDTYNKLKTKDEPQR ETLKAIHYALNCCGLAGGVEQFISDICPKKDVLETFTVKSCPDAIKEVFDNKFHIIGAVGIGIAVVMIFG MIFSTILCCAIRRNREMV 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_001760
RefSeq Size:	1321
RefSeq ORF:	684
Synonyms:	BTCC-1; DRAP-27; MIC3; MRP-1; TSPAN-29; TSPAN29
Locus ID:	928
UniProt ID:	P21926

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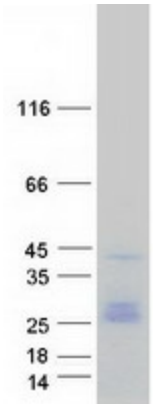
Cytogenetics: 12p13.31

Summary: This gene encodes a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Tetraspanins are cell surface glycoproteins with four transmembrane domains that form multimeric complexes with other cell surface proteins. The encoded protein functions in many cellular processes including differentiation, adhesion, and signal transduction, and expression of this gene plays a critical role in the suppression of cancer cell motility and metastasis. [provided by RefSeq, Jan 2011]

Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Hematopoietic cell lineage

Product images:



Coomassie blue staining of purified CD9 protein (Cat# [TP302000]). The protein was produced from HEK293T cells transfected with CD9 cDNA clone (Cat# [RC202000]) using MegaTran 2.0 (Cat# [TT210002]).