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Product datasheet for PH306597

CD42a (GP9) (NM_000174) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GP9 MS Standard C13 and N15-labeled recombinant protein (NP_000165)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206597
Predicted MW:	19.1 kDa
Protein Sequence:	>RC206597 protein sequence Red=Cloning site Green=Tags(s) MPAWGALFLLWATAEATKDCPSPCTCRALETMGLWVDCRGHGLTALPALPARTRHLLLANNSLQSVPPGA FDHLPQLQTLDVTQNPWHCDCSLTYLRLWLEDRTPEALLQVRCASPSLAAHGPLGRLTGYQLGSCGWQLQ ASWVRPGVLWDVALVTVAALGLALLAGLLCATTEALD 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_000165
RefSeq Size:	911
RefSeq ORF:	531
Synonyms:	CD42a; GPIX
Locus ID:	2815
UniProt ID:	P14770

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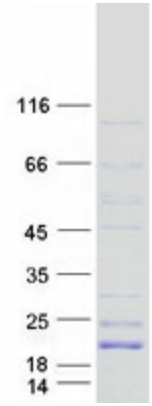
Cytogenetics: 3q21.3

Summary: This gene encodes a small membrane glycoprotein found on the surface of human platelets. It forms a 1-to-1 noncovalent complex with glycoprotein Ib, a platelet surface membrane glycoprotein complex that functions as a receptor for von Willebrand factor. The complete receptor complex includes noncovalent association of the alpha and beta subunits with the protein encoded by this gene and platelet glycoprotein V. Defects in this gene are a cause of Bernard-Soulier syndrome, also known as giant platelet disease. These patients have unusually large platelets and have a clinical bleeding tendency. [provided by RefSeq, Oct 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ECM-receptor interaction, Hematopoietic cell lineage

Product images:



Coomassie blue staining of purified GP9 protein (Cat# [TP306597]). The protein was produced from HEK293T cells transfected with GP9 cDNA clone (Cat# [RC206597]) using MegaTran 2.0 (Cat# [TT210002]).