Product datasheet for PH319709

CDC42SE1 (NM_020239) Human Mass Spec Standard
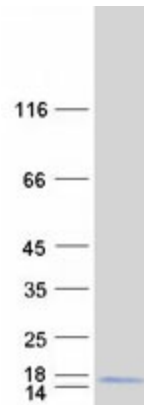
Product data:

Product Type:	Mass Spec Standards
Description:	CDC42SE1 MS Standard C13 and N15-labeled recombinant protein (NP_064624)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219709
Predicted MW:	8.9 kDa
Protein Sequence:	>RC219709 protein sequence Red=Cloning site Green=Tags(s) MSEFWHKLGCCVVEKPQPKKKRRRIDRTMIGEPMNFVHLTHIGSGEMGAGDGLAMTGAVQEQMRSKGNRD RPWSNSRGL 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_064624
RefSeq Size:	3057
RefSeq ORF:	237
Synonyms:	SCIP1; SPEC1
Locus ID:	56882
UniProt ID:	Q9NRR8
Cytogenetics:	1q21.3

View online »

Summary: Probably involved in the organization of the actin cytoskeleton by acting downstream of CDC42, inducing actin filament assembly. Alters CDC42-induced cell shape changes. In activated T-cells, may play a role in CDC42-mediated F-actin accumulation at the immunological synapse. May play a role in early contractile events in phagocytosis in macrophages.[UniProtKB/Swiss-Prot Function]

Product images:

Coomassie blue staining of purified CDC42SE1 protein (Cat# [TP319709]). The protein was produced from HEK293T cells transfected with CDC42SE1 cDNA clone (Cat# [RC219709]) using MegaTran 2.0 (Cat# [TT210002]).