

Product datasheet for PH301162

CDC42EP4 (NM_012121) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDC42EP4 MS Standard C13 and N15-labeled recombinant protein (NP_036253)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201162
Predicted MW:	38 kDa
Protein Sequence:	>RC201162 protein sequence Red=Cloning site Green=Tags(s)
	MPILKQLVSSSVHSKRRSRADLTAEMISAPLGDFRHTMHVGRAGDAFGDTSFLNSKAGEPDGESLDEQPS SSSSKRSLLSRKFRGSKRSQSVTRGEREQRDMLGSLRDSALFVKNAMSLPQLNEKEAAEKGTSKLPKSL SSPVKKANDGEGGDEEAGTEEAVPRRNGAAGPHSPDLLDEQAFGDLTDLPPVVPKATYGLKHAESIMSFH IDLGPMLGDVLSIMDKKEWDPEEGEGGYHGDEGAAGTITQAPPYAVAAPPLARQEGKAGPDLPSLPSHA LEDEGWAAAAPSPGSARSMGSHSTRDSSSLSSCTSGILEERSPAFRGPDRAAAVSRQPDKEFSFMDEEE EDEIRV
	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_036253
RefSeq Size:	3121
RefSeq ORF:	1068
Synonyms:	BORG4; CEP4; KAIA1777
Locus ID:	23580



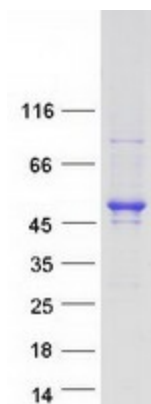
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UniProt ID: [Q9H3Q1](#), [B2R6D8](#)

Cytogenetics: 17q25.1

Summary: The product of this gene is a member of the CDC42-binding protein family. Members of this family interact with Rho family GTPases and regulate the organization of the actin cytoskeleton. This protein has been shown to bind both CDC42 and TC10 GTPases in a GTP-dependent manner. When overexpressed in fibroblasts, this protein was able to induce pseudopodia formation, which suggested a role in inducing actin filament assembly and cell shape control. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified CDC42EP4 protein (Cat# [TP301162]). The protein was produced from HEK293T cells transfected with CDC42EP4 cDNA clone (Cat# [RC201162]) using MegaTran 2.0 (Cat# [TT210002]).