

Product datasheet for PH305660

CYRIB (NM_016623) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FAM49B MS Standard C13 and N15-labeled recombinant protein (NP_057707)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205660
Predicted MW:	36.7 kDa
Protein Sequence:	>RC205660 protein sequence Red =Cloning site Green =Tags(s) MGNLLKVLCTDLEQGPFFLDFENAQPTSEKEIYNQVNVVLKDAEGILEDLQSYRGAGHEIREAIQHP ADEKLQEKAAGAVVPLVGKLLKFFYEFSQLRLEAALRGLLGALTSTPYSPQHLEREQALAKQFAEILHFTL RFDELKMTNPAIQNDFSYRRTL SRMRINNVAEGENEVNNELANRMSLFYAEATPMLKTLSDATTKFVS ENKNLP IENTTDCLSTMASVCRVMLETPEYRSRF TNEETVSFCLRVMGV IILYDHVHPVGAFAKTSKID MKGCIVLKDQPPNSVEGLLNALRYTTKHLNDETTSKQIKSMLQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	<u>NP_057707</u>
RefSeq Size:	3838
RefSeq ORF:	972
Synonyms:	BM-009; CYRI; CYRI-B; FAM49B; L1
Locus ID:	51571



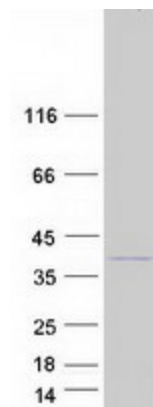
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UniProt ID: [Q9NUQ9](#), [A0A024R9G4](#)

Cytogenetics: 8q24.21

Summary: Negatively regulates RAC1 signaling and RAC1-driven cytoskeletal remodeling (PubMed:31285585, PubMed:30250061). Regulates chemotaxis, cell migration and epithelial polarization by controlling the polarity, plasticity, duration and extent of protrusions. Limits Rac1 mediated activation of the Scar/WAVE complex, focuses protrusion signals and regulates pseudopod complexity by inhibiting Scar/WAVE-induced actin polymerization (PubMed:30250061). Protects against Salmonella bacterial infection. Attenuates processes such as macropinocytosis, phagocytosis and cell migration and restrict sopE-mediated bacterial entry (PubMed:31285585). Restricts also infection mediated by Mycobacterium tuberculosis and Listeria monocytogenes (By similarity). Involved in the regulation of mitochondrial dynamics and oxidative stress (PubMed:29059164).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified FAM49B protein (Cat# [TP305660]). The protein was produced from HEK293T cells transfected with FAM49B cDNA clone (Cat# [RC205660]) using MegaTran 2.0 (Cat# [TT210002]).