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Product datasheet for PH304659

DENND10 (NM_207009) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FAM45A MS Standard C13 and N15-labeled recombinant protein (NP_996892)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204659
Predicted MW:	40.5 kDa
Protein Sequence:	>RC204659 protein sequence Red=Cloning site Green=Tags(s) MAAAEVADTQLMLGVGLIEKDTNGEVLWVWCYPSTTATLRNLLLRKCCLTDENKLLHPFVFGQYRRTWFY ITTIEVPDSSILKKVTHFSIVLTAKDFNPEKYAAFTRILCRMYLKHGSPVKMMESYIAVLTKGICQSEEN GSFLSKDFDARKAYLAGSIKDIVSQFGMETVILHTALMLKKRIVVYHPKIEAVQEFTRTLPALVWHRQDW TILHSYVHLNADELEALQMCTGYVAGFVDLEVSNRPDLYDVFVNLAESEITIAPLAKEAMAMGKLHKEMG QLIVQSAEDPEKSESHVIQDIALKTREIFTNLAPFSEVSADGEKRVLNLEALKQKRFPPATENFLYHLAA AEQMLKI 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_996892
RefSeq Size:	2192
RefSeq ORF:	1071
Synonyms:	FAM45A
Locus ID:	404636

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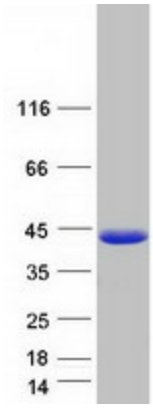
UniProt ID: Q8TCE6

Cytogenetics: 10q26.11

Summary: Guanine nucleotide exchange factor (GEF) regulating homeostasis of late endocytic pathway, including endosomal positioning, maturation and secretion, possibly through activating Rab proteins such as RAB27A and RAB27B. Seems to promote the exchange of GDP to GTP, converting inactive GDP-bound RAB27A and RAB27B into their active GTP-bound form. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified DENND10 protein (Cat# [TP304659]). The protein was produced from HEK293T cells transfected with DENND10 cDNA clone (Cat# [RC204659]) using MegaTran 2.0 (Cat# [TT210002]).