

Product datasheet for PH305498

RASGEF1A (NM_145313) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RASGEF1A MS Standard C13 and N15-labeled recombinant protein (NP_660356)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205498
Predicted MW:	54.5 kDa
Protein Sequence:	>RC205498 protein sequence Red =Cloning site Green =Tags(s)

MPQTSVVFSSILGPSCSGVQVQPMGERGGGAGGSGDLIFQDGHLSGSLEALMEHLVPTVDYYPDRTYI
 FTFLLSSRVFMPPHDLARVGQICVEQKQLEAGPEKAKLKSFSAKIVQLLKEWTEAFPYDFQDEKAMAE
 LKAITHRVTCDEENGTVKKAIAQMTQSLLLSLAARSQLELREKLPPAVDKGPILKTKPPAAQKDILG
 VCCDPLVLAQQLTHIELDRVSSIYPEDLMQIVSHMDSLNDHRCRGDLTKTYSLEAYDNWFNCLSMVLATE
 VCRVVKKKHRTRMLEFFIDVARECFNIGNFNSMMAIISGMNLSPVARLKKTWSKVKTAKFDVLEHHMDPS
 SNFCNYRTALQGATQRSQMANSSREKIVIPVFNLFVKDIYFLHKIHTNHLPNGHINFKKFWEISRQIHEF
 MTWTQVECPFEKDKKIQSYLLTAPIYSEEALFVASFESEGPENHVEKDSWKTLLRTLLNRA

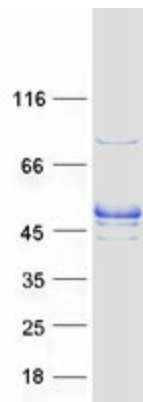
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_660356</u>
RefSeq Size:	3243
RefSeq ORF:	1443
Synonyms:	CG4853


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Locus ID:	221002
UniProt ID:	Q8N9B8
Cytogenetics:	10q11.21
Summary:	Guanine nucleotide exchange factor (GEF) with specificity for RAP2A, KRAS, HRAS, and NRAS (in vitro). Plays a role in cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RASGEF1A protein (Cat# [TP305498]). The protein was produced from HEK293T cells transfected with RASGEF1A cDNA clone (Cat# [RC205498]) using MegaTran 2.0 (Cat# [TT210002]).