

Product datasheet for PH302141

ARF1 (NM_001658) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARF1 MS Standard C13 and N15-labeled recombinant protein (NP_001649)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202141
Predicted MW:	20.7 kDa
Protein Sequence:	>RC202141 protein sequence Red=Cloning site Green=Tags(s) MGNIFANLFGKLFQKEMRILMVGLEDAAGKTTILYKLLKLEIVTTIPTIGFNVETVEYKNISFTVWDVGG QDKIRPLWRHYFQNTQGLIFVVDSDNRERVNEAREELMRMLAEDELKRDVLLVLFANKQDLPNAMNAEIT DKLGLHSLRHRNWIQATCATSGDGLYEGLDWLSNQLRNQK 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:	NP_001649
RefSeq Size:	1901
RefSeq ORF:	543
Synonyms:	PVNH8
Locus ID:	375
UniProt ID:	P84077 , A0A024R3Q0



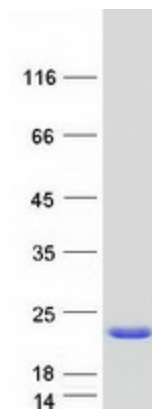
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Cytogenetics: 1q42.13

Summary: ADP-ribosylation factor 1 (ARF1) is a member of the human ARF gene family. The family members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. The gene products, including 6 ARF proteins and 11 ARF-like proteins, constitute a family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6), and members of each class share a common gene organization. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Protein Pathways: Vibrio cholerae infection

Product images:



Coomassie blue staining of purified ARF1 protein (Cat# [TP302141]). The protein was produced from HEK293T cells transfected with ARF1 cDNA clone (Cat# [RC202141]) using MegaTran 2.0 (Cat# [TT210002]).