

Product datasheet for PH303600

ARF6 (NM_001663) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARF6 MS Standard C13 and N15-labeled recombinant protein (NP_001654)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203600
Predicted MW:	20.1 kDa
Protein Sequence:	>RC203600 protein sequence Red=Cloning site Green=Tags(s) MGKVLISKIFGNKEMRILMLGLDAAGKTTILYKLLKLGQSVTTIPTVGFNVETVITYKNVKFNVDVGGQDKI RPLWRHYTGTQGLIFVVDCAADRDRIDEARQELHRIINDREMRDAIILIFANKQDLPDAMPHEIQEKLGL LTRIRDRNWYVQPSCATSGDGLYEGLTWLTSNYKS 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- 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:	<u>NP_001654</u>
RefSeq Size:	3939
RefSeq ORF:	525
Locus ID:	382
UniProt ID:	<u>P62330</u>
Cytogenetics:	14q21.3



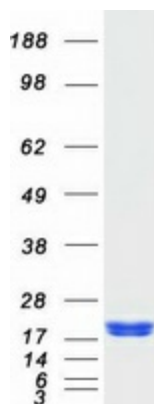
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Summary:

This gene encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7. [provided by RefSeq, Jul 2008]

Protein Pathways:

Endocytosis, Fc gamma R-mediated phagocytosis

Product images:

Coomassie blue staining of purified ARF6 protein (Cat# [TP303600]). The protein was produced from HEK293T cells transfected with ARF6 cDNA clone (Cat# [RC203600]) using MegaTran 2.0 (Cat# [TT210002]).