

Product datasheet for PH310490

ARL13B (NM_144996) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARL13B MS Standard C13 and N15-labeled recombinant protein (NP_659433)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210490
Predicted MW:	36.8 kDa
Protein Sequence:	>RC210490 protein sequence Red=Cloning site Green=Tags(s)

MFSLMASCCGWFKRWREPVRLANKQDKEGALGEADVIECLSLEKLVNEHKCLCQIEPCSAISGYGKKIDK
SIKKGLYLLHVIARDFDALNERIQKETTQRAL EEQEKQERAERVRLREERKQNEQEQAELDGTSGLA
ELDPEPTNPFQPIASVIEENEGKLEREKKNQKMEKSDGCHLKHKMEHEQIETQGQVNHNGQKNNEFGLV
ENYKEAL TQQLKNEDETRPSLESANGKKTKKLRMRNHRVEPLNIDDCAPESPTPPPPPPVVGWTPK
VTRLPKLEPLGETHHNDFYRKPLPPLAVPQRPNSDAHDVIS

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:	NP_659433
RefSeq Size:	3670
RefSeq ORF:	963
Synonyms:	ARL2L1; JBTS8
Locus ID:	200894



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UniProt ID: [Q3SXY8](#)

Cytogenetics: 3q11.1-q11.2

Summary: This gene encodes a member of the ADP-ribosylation factor-like family. The encoded protein is a small GTPase that contains both N-terminal and C-terminal guanine nucleotide-binding motifs. This protein is localized in the cilia and plays a role in cilia formation and in maintenance of cilia. Mutations in this gene are the cause of Joubert syndrome 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

Product images:



Coomassie blue staining of purified ARL13B protein (Cat# [TP310490]). The protein was produced from HEK293T cells transfected with ARL13B cDNA clone (Cat# [RC210490]) using MegaTran 2.0 (Cat# [TT210002]).