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Product datasheet for PH307160

ARRDC1 (NM_152285) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARRDC1 MS Standard C13 and N15-labeled recombinant protein (NP_689498)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207160
Predicted MW:	46 kDa
Protein Sequence:	>RC207160 protein sequence Red=Cloning site Green=Tags(s) MGRVQLFEISLSHGRVVYSPGEPLAGTVRVRLGAPLPFRAIRVTCIGSCGVSNKANDTAWVVEEGYFNSS LSLADKGSLPAGEHSFPFQFLLPATAPTSFEGPFGKIVHQVRAAIHTPRFSKDHKCSLVFYILSPLNLNS IPDIEQPNVASATKKFSYKLVKTGSVVLTASTDLRGYVVGQALQLHADVENQSGKDTSPVVASLLQKVSY KAKRWIHDVRTIAEVEGAGVKAWRRAQWHEQILVPALPQSALPGCSLIHIDYYLQVSLKAPEATVTLPVF IGNIAVNHAPVSPRPGLGLPPGAPPLVVPSAPPQEEAEAEAAAGGPHFLDPVFLSTKSHSQRQPLLATLS SVPGAPEPCPQDGSPASHPLHPPLCISTGATVPYFAEGSGGPVPTTSTLILPPEYSSWGYPYEAPPSYEQ SCGGVEPSLTPES 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_689498
RefSeq Size:	1621
RefSeq ORF:	1299
Locus ID:	92714

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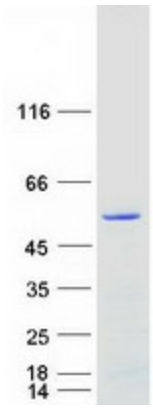
UniProt ID: Q8N5I2

Cytogenetics: 9q34.3

Summary: Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates (PubMed:23886940, PubMed:27462458). Through an ubiquitination-dependent mechanism plays for instance a role in the incorporation of SLC11A2 into extracellular vesicles (PubMed:27462458). More generally, plays a role in the extracellular transport of proteins between cells through the release in the extracellular space of microvesicles (PubMed:22315426). By participating to the ITCH-mediated ubiquitination and subsequent degradation of NOTCH1, negatively regulates the NOTCH signaling pathway (PubMed:23886940).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ARRDC1 protein (Cat# [TP307160]). The protein was produced from HEK293T cells transfected with ARRDC1 cDNA clone (Cat# [RC207160]) using MegaTran 2.0 (Cat# [TT210002]).