OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH303695

C6orf211 (ARMT1) (NM_024573) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C6orf211 MS Standard C13 and N15-labeled recombinant protein (NP_078849)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203695
Predicted MW:	51 kDa
Protein Sequence:	>RC203695 representing NM_024573 Red=Cloning site Green=Tags(s) MAVVPASLSGQDVGSFAYLTIKDRIPQILTKVIDTLHRHKSEFFEKHGEEGVEAEKKAISLLSKLRNELQ TDKPFIPLVEKFVDTDIWNQYLEYQQSLLNESDGKSRWFYSPWLLVECYMYRRIHEAIIQSPPIDYFDVF KESKEQNFYGSQESIIALCTHLQQLIRTIEDLDENQLKDEFFKLLQISLWGNKCDLSLSGGESSSQNTNV LNSLEDLKPFILLNDMEHLWSLLSNCKKTREKASATRVYIVLDNSGFELVTDLILADFLLSSELATEVHF YGKTIPWFVSDTTIHDFNWLIEQVKHSNHKWMSKCGADWEEYIKMGKWVYHNHIFWTLPHEYCAMPQVAP DLYAELQKAHLILFKGDLNYRKLTGDRKWEFSVPFHQALNGFHPAPLCTIRTLKAEIQVGLQPGQGEQLL ASEPSWWTTGKYGIFQYDGPL 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_078849
RefSeq Size:	2572
RefSeq ORF:	1323
Synonyms:	C6orf211

View online »

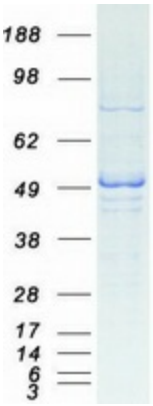
Locus ID: 79624

UniProt ID: Q9H993

Cytogenetics: 6q25.1

Summary: Metal-dependent phosphatase that shows phosphatase activity against several substrates, including fructose-1-phosphate and fructose-6-phosphate (By similarity). Its preference for fructose-1-phosphate, a strong glycating agent that causes DNA damage rather than a canonical yeast metabolite, suggests a damage-control function in hexose phosphate metabolism (By similarity). Has also been shown to have O-methyltransferase activity that methylates glutamate residues of target proteins to form gamma-glutamyl methyl ester residues (PubMed:25732820). Possibly methylates PCNA, suggesting it is involved in the DNA damage response (PubMed:25732820).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ARMT1 protein (Cat# [TP303695]). The protein was produced from HEK293T cells transfected with ARMT1 cDNA clone (Cat# [RC203695]) using MegaTran 2.0 (Cat# [TT210002]).