

Product datasheet for PH304503

MITD1 (NM_138798) Human Mass Spec Standard

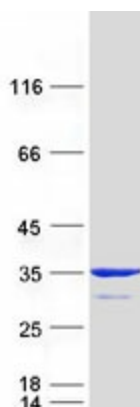
Product data:

Product Type:	Mass Spec Standards
Description:	MITD1 MS Standard C13 and N15-labeled recombinant protein (NP_620153)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204503
Predicted MW:	29.3 kDa
Protein Sequence:	<p>>RC204503 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAKSGLRQDPQSTAAATVLKRAVELDSESRYPAALVCYQEGIDLLQVLKGTKDNTKRCNLREKISKYMD RAENIKKYLDQEKEDGKYHKQIKIEENATGFSYESLFREYLNQTVTEVWIEDPYIRHTHQLYNFLRFCM LIKRPCKVKTIHLLTSLDEGIEVQVQSRGLQEIEESLRSHGVLLLEVQYSSSIHDREIRFNGWMIKIGRG LDYFKKPQSRFSLGYCDFLRPCHETTVDIFHKKHTKNI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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_620153
RefSeq Size:	963
RefSeq ORF:	747
Locus ID:	129531
UniProt ID:	Q8WV92
Cytogenetics:	2q11.2


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Summary:

Abscission, the separation of daughter cells at the end of cytokinesis, is effected by endosomal sorting complexes required for transport III (ESCRT-III). The protein encoded by this gene functions as a homodimer, with the N-termini binding to a subset of ESCRT-III subunits and the C-termini binding to membranes. The encoded protein regulates ESCRT-III activity and is required for proper cytokinesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Product images:


Coomassie blue staining of purified MITD1 protein (Cat# [TP304503]). The protein was produced from HEK293T cells transfected with MITD1 cDNA clone (Cat# [RC204503]) using MegaTran 2.0 (Cat# [TT210002]).