

Product datasheet for PH309653

C5orf45 (MRNIP) (NM_016175) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C5orf45 MS Standard C13 and N15-labeled recombinant protein (NP_057259)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209653
Predicted MW:	37.6 kDa
Protein Sequence:	>RC209653 protein sequence Red=Cloning site Green=Tags(s) MASLQSRVLRCCSRLFQAHQVKKSVKWTCKACGEKQSFLQAYGEGSGADCRRHVQKLNLLQGQVSELP LRSLEETVSASEEENVGHQQAGNVKQQEKSQPSESRWLKYLEKDSQELELEGTGVCFSKQPSSKMEEP RFSQDLPRKRKWSGSTVQPPCSRGVQDSGGSEVAWGPQKQAGLTKVKQGSSPCLQENSADCSAGELRG PGKELWSPIQQVTATSSKWAQFVLPKRSSHVDSEQPRSLQRDPRPAGPAQAKQGTTPRAQASREGLSRPT AAVQLPRATHPVTSGERPCGKTSWDARTPWAEGGPLVLEAQNPRPTRLCDLFIITGEDFDDDDV 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:	<u>NP_057259</u>
RefSeq Size:	1229
RefSeq ORF:	1029
Synonyms:	C5orf45
Locus ID:	51149



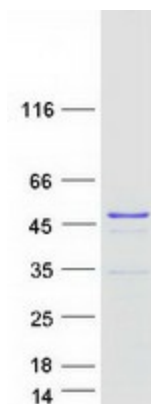
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UniProt ID: [Q6NTE8](#)

Cytogenetics: 5q35.3

Summary: Plays a role in the cellular response to DNA damage and the maintenance of genome stability through its association with the MRN damage-sensing complex (PubMed:27568553). Promotes chromatin loading and activity of the MRN complex to facilitate subsequent ATM-mediated DNA damage response signaling and DNA repair (PubMed:27568553). [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified MRNIP protein (Cat# [TP309653]). The protein was produced from HEK293T cells transfected with MRNIP cDNA clone (Cat# [RC209653]) using MegaTran 2.0 (Cat# [TT210002]).