

Product datasheet for PH306178

C14orf142 (GON7) (NM_032490) Human Mass Spec Standard

Product data:

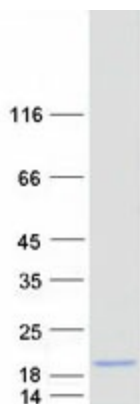
Product Type:	Mass Spec Standards
Description:	C14orf142 MS Standard C13 and N15-labeled recombinant protein (NP_115879)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206178
Predicted MW:	10.9 kDa
Protein Sequence:	>RC206178 protein sequence Red=Cloning site Green=Tags(s) MELLGEYVGQEGKPQKLRVSCEAPGDGDPFQGLLSGVAQMKDMVTELFDPVLVQGEVQHRVAAAPDEDLDG DDEDDAEEDENNIDNRTNFDGPSAKRPKTPS 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_115879</u>
RefSeq Size:	1191
RefSeq ORF:	300
Synonyms:	C14orf142; PNAS-127
Locus ID:	84520
UniProt ID:	<u>Q9BXV9</u>
Cytogenetics:	14q32.12



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Summary:

Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. GON7 likely plays a supporting role to the catalytic subunit OSGEP in the complex. [UniProtKB/Swiss-Prot Function]

Product images:

Coomassie blue staining of purified GON7 protein (Cat# [TP306178]). The protein was produced from HEK293T cells transfected with GON7 cDNA clone (Cat# [RC206178]) using MegaTran 2.0 (Cat# [TT210002]).