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Product datasheet for PH312022

C17orf85 (NCBP3) (NM_018553) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C17orf85 MS Standard C13 and N15-labeled recombinant protein (NP_061023)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212022
Predicted MW:	38.7 kDa
Protein Sequence:	>RC212022 representing NM_018553 Red=Cloning site Green=Tags(s) MKYGNPNYGGMKGILSNSWKRRYHSRRIQRDVIKKRALIGDDVGLTSYKHRHSGLVNVPEEPIEEEEEEEE EEEEEEEEEDQDMDADDRVVVEYHEELPALKQPRERSASRRSSASSSDSDEMDYDLELKMISTPSPKKSM KMTMYADEVESQLKNIRNSMRADSVSSSNIKNRIGNKLPPEKFADVRHLLDEKRQHSRPRPPVSSTKSDI RQRLGKRPHSPEKAFSSNPVVRREPSSDVHSRLGVPRQDSKGLYADTREKKSGNLWTRLGSAPKTKEKNT KKVDHRAPGAEEDDSELQRAWGALIKEKEQSRQKKSRLDNLPSLQIEVSRESSSGSEAES 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_061023
RefSeq Size:	2709
RefSeq ORF:	1020
Synonyms:	ELG; HSA277841
Locus ID:	55421

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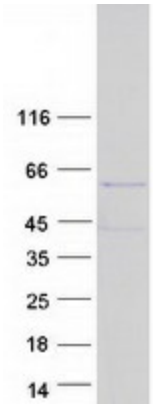
UniProt ID: Q53F19

Cytogenetics: 17p13.2

Summary: Associates with NCBP1/CBP80 to form an alternative cap-binding complex (CBC) which plays a key role in mRNA export. NCBP3 serves as adapter protein linking the capped RNAs (m7GpppG-capped RNA) to NCBP1/CBP80. Unlike the conventional CBC with NCBP2 which binds both small nuclear RNA (snRNA) and messenger (mRNA) and is involved in their export from the nucleus, the alternative CBC with NCBP3 does not bind snRNA and associates only with mRNA thereby playing a role in only mRNA export. The alternative CBC is particularly important in cellular stress situations such as virus infections and the NCBP3 activity is critical to inhibit virus growth (PubMed:26382858).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified C17orf85 protein (Cat# [TP312022]). The protein was produced from HEK293T cells transfected with C17orf85 cDNA clone (Cat# [RC212022]) using MegaTran 2.0 (Cat# [TT210002]).