

Product datasheet for PH318305

CCDC16 (ZNF830) (NM_052857) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ZNF830 MS Standard C13 and N15-labeled recombinant protein (NP_443089)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218305
Predicted MW:	41.8 kDa
Protein Sequence:	>RC218305 representing NM_052857 Red=Cloning site Green=Tags(s) <p>MASSASARTPAGKRVINQEELRRLMKEKQRLSTSRKRIESPFAYNRLGQLSCALCNTPVKSELLWQTHV LGKQHREKVAELKGAKEASQGSASSAPHSVKRAKAPDADDQDVKRAKATLVPQVQPSTSAWTTNFDKIGK EFIRATPSKPSGLSLLPDYEDEEEEEEEEEEGDGERKRGDASKPLSDAQGKEHSVSSSREVTSSVLPNDF STNPPKAPIIPHSGSIEKAEIHEKVVERRENTAEALPEGFFDDPEVDARVRKVDAPKQMDKEWDEFQKA MRQVNTISEAIVAEDEEGRLDRQIGIDEQIECYRRVEKLRNRQDEIKNKLKEILTIKELQKKEENAD SDDEGELQDLLSQDWRVKGALL</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:	<u>NP_443089</u>
RefSeq Size:	1646
RefSeq ORF:	1116
Synonyms:	CCDC16; OMCG1
Locus ID:	91603



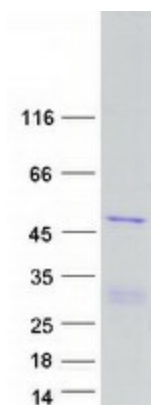
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UniProt ID: [Q96NB3](#)

Cytogenetics: 17q12

Summary: May play a role in pre-mRNA splicing as component of the spliceosome (PubMed:25599396). Acts as an important regulator of the cell cycle that participates in the maintenance of genome integrity. During cell cycle progression in embryonic fibroblast, prevents replication fork collapse, double-strand break formation and cell cycle checkpoint activation. Controls mitotic cell cycle progression and cell survival in rapidly proliferating intestinal epithelium and embryonic stem cells. During the embryo preimplantation, controls different aspects of M phase. During early oocyte growth, plays a role in oocyte survival by preventing chromosomal breaks formation, activation of TP63 and reduction of transcription (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ZNF830 protein (Cat# [TP318305]). The protein was produced from HEK293T cells transfected with ZNF830 cDNA clone (Cat# [RC218305]) using MegaTran 2.0 (Cat# [TT210002]).