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Product datasheet for PH303186

C3Orf34 (CEP19) (NM_032898) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C3orf34 MS Standard C13 and N15-labeled recombinant protein (NP_116287)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203186
Predicted MW:	19.2 kDa
Protein Sequence:	>RC203186 protein sequence Red=Cloning site Green=Tags(s) MMCTAKKCGIRFQPPAIILIYESEIKGKIRQRIMPVRNFSKFSDCTRAAEQLKNNPRHKSYLEQVSLRQL EKLFSFLRGYLSGQSLAETMEQIQRETTIDPEEDLNKLDDKELAKRKSIMDELFEKNQKKKDDPNFVYDI EVEFPQDDQLQSCGWDTESADEF 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_116287
RefSeq Size:	2216
RefSeq ORF:	489
Synonyms:	C3orf34; MOSPGF
Locus ID:	84984
UniProt ID:	Q96LK0

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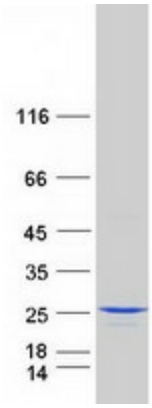
Cytogenetics: 3q29

Summary: The protein encoded by this gene localizes to centrosomes and primary cilia and co-localizes with a marker for the mother centriole. This gene resides in a region of human chromosome 3 that is linked to morbid obesity. A homozygous knockout of the orthologous gene in mouse resulted in mice with morbid obesity, hyperphagy, glucose intolerance, and insulin resistance. Mutations in this gene cause morbid obesity and spermatogenic failure (MOSPGF). This gene has a pseudogene on human chromosome 2. [provided by RefSeq, Apr 2014]

Product images:



Coomassie blue staining of purified CEP19 protein (Cat# [TP303186]). The protein was produced from HEK293T cells transfected with CEP19 cDNA clone (Cat# [RC203186]) using MegaTran 2.0 (Cat# [TT210002]).