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Product datasheet for TP303186L

C3Orf34 (CEP19) (NM_032898) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 3 open reading frame 34 (C3orf34), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203186 protein sequence Red=Cloning site Green=Tags(s) MMCTAKKCGIRFQPPAIILIYESEIKGKIRQRIMPVRNFSKFSDCTRAAEQLKNNPRHKSYLEQVSLRQL EKLFSFLRGYLSGQSLAETMEQIQRETTIDPEEDLNKLDDKELAKRKSIMDELFEKNQKKKDDPNFVYDI EVEFPQDDQLQSCGWDTESADEF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	19 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_116287
Locus ID:	84984
UniProt ID:	Q96LK0
RefSeq Size:	2216

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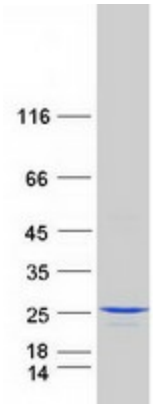
Cytogenetics: 3q29

RefSeq ORF: 489

Synonyms: C3orf34; MOSPGF

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]).