

Recombinant Human CEP19 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CEP19-3696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C3orf34 MS Standard C13 and N15-labeled recombinant protein (NP_116287) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	19.2 kDa
AA Sequence	MMCTAKKCGIRFQPPAILIYESEIKGKIRQIMPVRNFSKFSDCTRAAEQLKNNPRHK SYLEQVSLRQLEKLFSFLRGYLSGQSLAETMEQIQRETTIDPEEDLNKLDDKELAKRK SIMDELFEKNQKKKDDPNFVYDIEVEFPQDDQLQSCGWDTESADEFTTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CEP19 centrosomal protein 19kDa [Homo sapiens (human)]
Official Symbol	CEP19
Synonyms	CEP19; centrosomal protein 19kDa; C3orf34, chromosome 3 open reading frame 34; centrosomal protein of 19 kDa; MGC14126; C3orf34;
Gene ID	84984
mRNA Refseq	NM_032898
Protein Refseq	NP_116287
MIM	615586
UniProt ID	Q96LK0

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