Recombinant Human PEDS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PEDS1-2819H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TMEM189 MS Standard C13 and N15-labeled recombinant protein (NP_954580) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Co-transcription of this gene and the neighboring downstream gene (ubiquitin-conjugating enzyme E2 variant 1) generates a rare read-through transcript, which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. The protein encoded by this individual gene lacks a UEV1 domain but includes three transmembrane regions. Alternative splicing results in multiple transcript variants.
Molecular Mass	31 kDa
AA Sequence	MAGAEDWPGQQLELDEDEASCCRWGAQHAGARELAALYSPGKRLQEWCSVILCF SLIAHNLVHLLLLARWEDTPLVILGVVAGALIADFLSGLVHWGADTWGSVELPIVGKA FIRPFREHHIDPTAITRHDFIETNGDNCLVTLLPLLNMAYKFRTHSPEALEQLYPWECF VFCLIIFGTFTNQIHKWSHTYFGLPRWVTLLQDWHVILPRKHHRIHHVSPHETYFCITT GWLNYPLEKIGFWRRLEDLIQGLTGEKPRADDMKWAQKIKTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
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	PEDS1 plasmanylethanolamine desaturase 1 [Homo sapiens (human)]
Official Symbol	PEDS1
Synonyms	PEDS1; plasmanylethanolamine desaturase 1; KUA; CarF; TMEM189; plasmanylethanolamine desaturase; transmembrane protein 189; EC 1.14.19.77
Gene ID	387521
mRNA Refseq	NM_199129
Protein Refseq	NP_954580
MIM	610994
UniProt ID	A5PLL7

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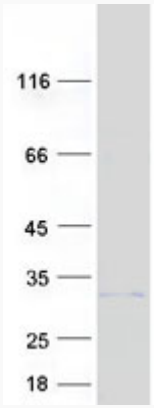
SDS-PAGE	

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