

Recombinant Human LRTOMT Protein, MYC/DDK-tagged

Cat. No. LRTOMT-971H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LRTOMT protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene includes two transcript forms. The short form has one open reading frame (ORF), which encodes the leucine-rich repeats (LRR)-containing protein of unknown function. This protein is called LRTOMT1 or LRRC51. The long form has two alternative ORFs; the upstream ORF has the same translation start codon as used in the short form and the resulting transcript is a candidate for nonsense-mediated decay, and the downstream ORF encodes a different protein, which is a transmembrane catechol-O-methyltransferase and is called LRTOMT2, TOMT or COMT2. The COMT2 is essential for auditory and vestibular function. Defects in the COMT2 can cause nonsyndromic deafness. Alternatively spliced transcript variants from each transcript form have been found for this gene. [provided by RefSeq, Sep 2012].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	22 kDa
Purity	>50 ug/mL as determined by microplate BCA method

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name LRTOMT leucine rich transmembrane and O-methyltransferase domain containing [Homo sapiens]

Official Symbol LRTOMT

Synonyms CFAP111; DFNB63; LRRC51

Gene ID 220074

mRNA Refseq NM_001145307

Protein Refseq NP_001138779

MIM 612414

UniProt ID Q8WZ04

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