Datasheet for ABIN2724964

Leucine Rich Transmembrane and 0-Methyltransferase Domain Containing (LRTOMT) (Transcript Variant 1) protein (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	Leucine Rich Transmembrane and 0-Methyltransferase Domain Containing (LRTOMT)
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Myc-DYKDDDDK Tag
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human LRTOMT / LRRC51 (transcript variant 1) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	Leucine Rich Transmembrane and 0-Methyltransferase Domain Containing (LRTOMT)
Alternative Name:	Lrtomt,lrrc51 (LRTOMT Products)
Background:	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

Target Details

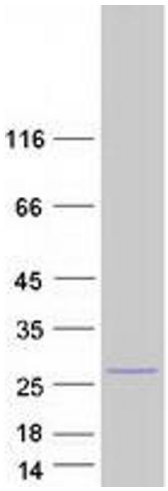
	protein is called LRTOMT1 or LRRC51. The long form has two alternative ORFs the upstream ORF has the same translation start codon as used in the short form and the resulting transcript is a candidate for nonsense-mediated decay, and the downstream ORF encodes a different protein, which is a transmembrane 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.
Molecular Weight:	22 kDa
NCBI Accession:	NP_660352
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot