

Datasheet for ABIN7317570
LRRTM4 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	LRRTM4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRRTM4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LRRTM4 Protein (His Tag)
Sequence:	Met 1-Lys 424
Characteristics:	A DNA sequence encoding the human LRRTM4 extracellular domain (NP_001128217.1) (Met 1-Lys 424) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LRRTM4
Alternative Name:	LRRTM4 (LRRTM4 Products)
Background:	Background: Leucine-rich repeat transmembrane neuronal protein 4, also known as LRRTM4, is a single-pass type I membrane protein which belongs to the LRRTM family. LRRTM4 is expressed in the limb mesenchyme, neural tube, caudal mesoderm and in three distinct regions

Target Details

of the head. LRRTM4 may play a role in the development and maintenance of the vertebrate nervous system. Leucine-rich repeat containing proteins are involved in protein-protein interactions and they regulate numerous cellular events during nervous system development and disease. Human and mouse LRRTMs are highly conserved, and orthologous genes exist in other vertebrates but not in invertebrates. LRRTM mRNAs are predominantly expressed in the nervous system and that each LRRTM possesses a specific, partially nonoverlapping expression pattern. The structure and expression profile of LRRTM mRNAs suggest that they may have a role in the development and maintenance of the vertebrate nervous system. All LRRTMs, except LRRTM4, are located in the introns of different alpha-catenin genes, suggesting coevolution of these two gene families.

Synonym: UNQ3075/PRO9907;FLJ12568;MGC120633;MGC120636

Molecular Weight:	46.6 kDa
NCBI Accession:	NP_001128217
Pathways:	Synaptic Membrane

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.