

LRRTM3 Protein, Mouse (CHO, His)

Cat. No.:	HY-P77068
Synonyms:	Leucine-rich repeat transmembrane neuronal protein 3; LRRTM3
Species:	Mouse
Source:	CHO
Accession:	Q8BZ81 (E31-H419)
Gene ID:	216028
Molecular Weight:	Approximately 46 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	LRRTM3 protein emerges as a potential contributor to the development and maintenance of the vertebrate nervous system, suggesting its involvement in essential processes related to neural development. In vitro studies indicate that LRRTM3 exhibits synaptogenic activity, particularly influencing the differentiation of excitatory presynaptic elements. The limited scope of its synaptogenic activity emphasizes a specific role in shaping the synaptic connections associated with excitatory neurotransmission. Further exploration is warranted to elucidate the intricate molecular mechanisms through which LRRTM3 influences neural development and to comprehend its specific contributions to the establishment and maintenance of synaptic connections within the nervous system.
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Caution: Product has not been fully validated for medical applications. For research use only.

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