Recombinant Human RELN protein, His & T7-tagged

Cat. No. RELN-8062H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RELN aa. (Ala26~Pro190 (Accession # P78509)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala26~Pro190
Description	This gene encodes a large secreted extracellular matrix protein thought to control cell-cell interactions critical for cell positioning and neuronal migration during brain development. This protein may be involved in schizophrenia, autism, bipolar disorder, major depression and in migration defects associated with temporal lobe epilepsy. Mutations of this gene are associated with autosomal recessive lissencephaly with cerebellar hypoplasia. Two transcript variants encoding distinct isoforms have been identified for this gene. Other transcript variants have been described but their full length nature has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.2kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	RELN reelin [Homo sapiens (human)]
Official Symbol	RELN
Synonyms	RL; ETL7; LIS2; PRO1598
Gene ID	5649
mRNA Refseq	NM_005045.3
Protein Refseq	NP_005036.2
UniProt ID	P78509

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