

Reelin Protein, Human, Recombinant (E. coli, His)

General Information

Synonyms: RELN;Reelin

Protein Construction: 26-254 aa

Species: Human

Expression Host: E. coli

Accession: P78509

Molecular Weight: 28.9 kDa (predicted)

AA Sequence: AAGYYPRFSPFFFLCTHHGELEGDGEQGEVLISLHIAGNPTYVPGQEYHVTISTSTFFDGLLVLTGLYTSTSVQA
SQSIGGSSAFGFGIMSDHQFGNQFMCSVVASHVSHLPTTNLSFIWIAPPAGTGCVNFMATATHRGQVIFKDA
LAQQLCEQGAPTDVTVPHLAEIHSDSIILRDDFDSYHQLQLNPNIWVECNNCETGEQCGAIMHGNAVTFCE
PYGPRELITT

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Extracellular matrix serine protease that plays a role in layering of neurons in the cerebral cortex and cerebellum. Regulates microtubule function in neurons and neuronal migration. Affects migration of sympathetic preganglionic neurons in the spinal cord, where it seems to act as a barrier to neuronal migration. Enzymatic activity is important for the modulation of cell adhesion. Binding to the extracellular domains of lipoprotein

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receptors VLDLR and LRP8/APOER2 induces tyrosine phosphorylation of DAB1 and modulation of TAU phosphorylation.

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