



Recombinant Protein Technical Manual

Recombinant Human LRP10 Protein (His Tag)

RPES4325

Product Data:

Product SKU: RPES4325

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: Q7Z4F1

Protein Information:

Molecular Mass: 47.5kDa

AP Molecular Mass: 60 kDa

Tag: C-His

Bio-activity:

Purity: > 97 % as determined by reducing SDS-PAGE.

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

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: LRP9;MST087;MSTP087

Immunogen Information:

Sequence: Met 1-Lys 440

Background:

Various members of the low-density lipoprotein receptor (LDLR) family have been reported to play a role in APP trafficking and processing and are important risk factors in AD. LDLR-related protein 1 (LRP1) shuttles between the trans-Golgi Network (TGN), plasma membrane (PM), and endosomes. LRP1 is a functional APP receptor involved in APP trafficking and processing. LRP1 interacts directly with the ectodomain of APP and colocalizes with APP at the TGN. LRP1 is a novel APP sorting receptor that protects APP from amyloidogenic processing, suggesting that a decrease in LRP1 function may contribute to the pathogenesis of Alzheimer's disease.