
Product Data Sheet

Product Name: LRP4 Human
Cat. No.: GP23834
Batch No.: 1

Product Data

Purity >98%

Physical Appearance solid

Synonyms Low-density lipoprotein receptor-related protein 4; LRP-4; Multiple epidermal growth factor-like domains 7; LRP4; KIAA0816; LRP10

Amino Acid Sequence ASSSPEACGRSHFTCAVSALGECTCIPAQWQCDGDNDCGDHSEDEGCILPTCSPLDFHCDNGKCIIRRSWVCDGDNDCEDDSDEQDCPPRECEDE

Solubility It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophil FormulationLRP4 filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in PBS.

Introduction

LRP4 encodes a part of the low-density lipoprotein receptor-related protein family, which comprises of many evolutionarily conserved transmembrane proteins. LRP4 mediates SOST-dependent inhibition of bone formation. LRP4 takes part in the formation and the maintenance of the neuromuscular junction which is the synapse between skeletal muscle and motor neuron. LRP4 plays a role as a specific facilitator of SOST-mediated inhibition of Wnt signaling.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

LRP4 Human Recombinant is a single, glycosylated polypeptide chain containing 1719 amino acids (21-1725a.a) and having a molecular mass of 191.6kDa (calculated). LRP4 is fused to a 14 a.a His tag (2 a.a on N-terminal and 12 a.a on C-terminal).

Caution: Product has not been fully validated for medical applications. For research use only.

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