

32-4595: Recombinant Human Receptor Activity-Modifying Protein 1

Alternative Name Receptor (G Protein-Coupled) Activity Modifying Protein 1, Receptor (Calcitonin) Activity Modifying Protein 1, Calcitonin-Receptor-Like Receptor Activity-Modifying Protein 1, CRLR Activity-Modifying Protein 1.

Description

Source : Escherichia Coli. RAMP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 114 amino acids (27-117) and having a molecular mass of 12.9 kDa. RAMP1 is fused to a 23 amino acid His-tag at N-terminus. RAMP belongs to the type I transmembrane family of proteins called RAMP (receptor/calcitonin activity modifying proteins) which include an extracellular N terminus and a cytoplasmic C terminus. RAMPs are essential for CRLR transport to the plasma membrane. CRLR (calcitonin-receptor-like receptor) has seven transmembrane domains. Depending on which members of the RAMP family are expressed CRLR receptor functions as either an adrenomedullin receptor or a calcitonin-gene-related peptide (CGRP) receptor. In the presence of RAMP1, CRLR functions as a CGRP receptor. The RAMP1 protein takes part in the terminal glycosylation, maturation, and presentation of the CGRP receptor to the cell surface.

Product Info

Amount : 10 µg
Purification : Greater than 80% as determined by SDS-PAGE.
Content : The RAMP1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSCQEANYG ALLRELCLTQ FQVDMEAVGE TLWCDWGRTI RSYRELADCT WHMAEKL GCF WPNAEVDRFF LAVHGRYFRS CPISGRAVRD PPGS

