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32-18383: Human CGRPR and RAMP1 Heterodimer Protein, hFc Tag and mFc Tag

Uniprot ID : Q16602 and O60894
Alternative Name : CRLR; CGRPR; LMPHM8 and RAMP1

Description

Description : Recombinant human CGRPR protein with C-terminal human Fc tag and human RAMP1 protein with C-terminal mouse Fc tag
Background : The CGRP receptor (CGRPR) is a member of family B G protein coupled receptors (GPCRs), is expressed throughout the trigeminal system, including neurons and endothelial cells. They usually function with accessory proteins such as receptor activity modifying proteins (RAMPs) and Na/H exchange regulatory factors (NHERFs). CGRPR is a heterodimer complex of the calcitonin receptor-like receptor (CRLR) and receptor activity-modifying protein 1 (RAMP1). Therapeutics for migraine treatment are mostly targeting CRLR-RAMP1 protein-protein interaction surfaces, thereby blocking CGRP activity.
Molecular Characterization: mass of 39.9 and 36.7 kDa after removal of the signal peptide. The apparent molecular mass of CGRPR-hFc and RAMP1-mFc is approximately 35-70 kDa due to glycosylation.
Tag :C-Human Fc tag and C-mouse Fc tag

Product Info

Amount :	50 µg / 100 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

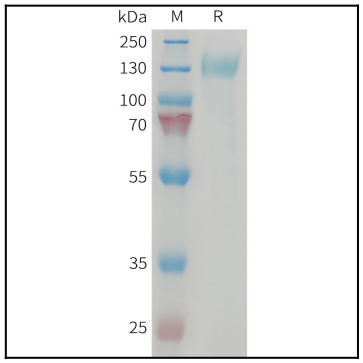


Figure 1. Human CGRPR and RAMP1 Heterodimer Protein, hFc Tag and mFc Tag on SDS-PAGE under reducing condition.

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