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Datasheet for ABIN7538152

CALCRL Protein (AA 23-140) (mFc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	CALCRL
Protein Characteristics:	AA 23-140
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CALCRL protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant human CGRPR Protein with C-terminal mouse Fc tag
Specificity:	CGRPR (Glu23-Asn140) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CALCRL
Alternative Name:	CGRPR (CALCRL Products)
Background:	Enables adrenomedullin binding activity, adrenomedullin receptor activity, and calcitonin gene-

Target Details

related peptide receptor activity. Involved in several processes, including G protein-coupled receptor signaling pathway, cellular response to sucrose stimulus, and receptor internalization. Located in endoplasmic reticulum, endosome, and lysosome. Part of CGRP receptor complex and adrenomedullin receptor complex. Colocalizes with plasma membrane. Implicated in hereditary lymphedema. [provided by Alliance of Genome Resources, Apr 2022]

Molecular Weight: predicted molecular mass of 40.0 kDa after removal of the signal peptide. The apparent molecular mass of CGRPR-mFc is 35-70 kDa due to glycosylation.

UniProt: [Q16602](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human CGRPR Protein, mFc Tag on SDS-PAGE under reducing condition.