

For Research Use Only

Recombinant Human PMCH protein (rFc Tag)



Catalog Number: Eg2978

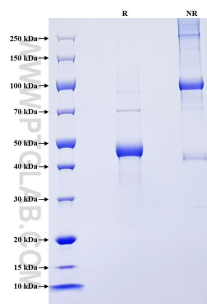
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human PMCH protein Ile22-Val165 (Accession# P20382) a rabbit IgG Fc tag at the C-terminus. GeneID: 5367 Accession: P20382 Predicted Molecular Mass: 42.4 kDa SDS-PAGE: 44-50 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	The orexigenic neuropeptide melanin-concentrating hormone (MCH), a product of PMCH, is an important mediator of energy homeostasis. PMCH is expressed predominantly in neurons of the lateral hypothalamic area and the incerto hypothalamic area, which project throughout the brain. PMCH is also expressed in some peripheral tissues, such as the testes, although at lower levels than in the brain. PMCH plays an important role in determining energy balance during early development.		
References	1. Mul JD. et al. (2010) Am J Physiol Endocrinol Metab. 298(3):E477-E488. 2. Mul JD. et al. (2013) PLoS One. 8(3):e60214. 3. Bertolesi GE. et al. (2019) Pigment Cell Melanoma Res. 32(4):510-527.		
Synonyms	MCH, PMCH, NEI, NGE, Pro MCH		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human PMCH was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.