

For Research Use Only

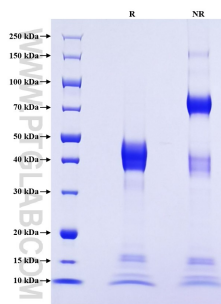
Recombinant Human Amphiregulin protein (rFc Tag)



Catalog Number: Eg4569

Basic Information	Species: Human	Purity: >85 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >85 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human Amphiregulin protein Ser101-Lys187 (Accession# P15514) with a rabbit IgG Fc tag at the N-terminus.</p> <p>GeneID: 374</p> <p>Accession: P15514</p> <p>Predicted Molecular Mass: 37.3 kDa</p> <p>SDS-PAGE: 10-16 kDa and 37-48 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Amphiregulin (AREG) is one of the ligands of the epidermal growth factor receptor (EGFR). AREG plays a central role in mammary gland development and branching morphogenesis in organs and is expressed both in physiological and in cancerous tissues. The AREG protein is synthesized as a 252-amino acid transmembrane precursor, pro-AREG. At the plasma membrane, pro-AREG is subjected to sequential proteolytic cleavages within its ectodomain and is then released as the soluble AREG protein. Depending on the cell type and microenvironment, AREG can be produced in multiple cellular and mature forms using alternative pro-AREG cleavage sites and glycosylation motifs.</p>		
References	<ol style="list-style-type: none">1. Brown C.L., et al. (1998). J Biol Chem. Jul 3;273(27):17258-17268.2. Busser B, et al. (2011). Biochim Biophys Acta. Dec; 1816(2):119-131.3. McBryan J, et al. (2008). J Mammary Gland Biol Neoplasia. Jun;13(2):159-69.		
Synonyms	AREG, AR, AREGB, Colorectum cell-derived growth factor, CRDGF		

Selected Validation Data



Purity of Recombinant Human Amphiregulin 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.

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.