

For Research Use Only

Recombinant Human CD97 protein (rFc Tag)



Catalog Number: Eg2082

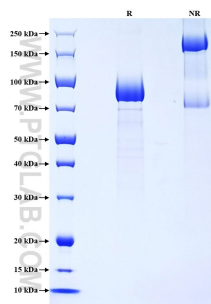
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human CD97 protein Gln21-Gln398 (Accession# P48960-2) with a rabbit IgG Fc tag at the C-terminus. GeneID: 976 Accession: P48960-2 Predicted Molecular Mass: 67.4 kDa SDS-PAGE: 75-100 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	CD97 is a member of the seven-trans-membrane subfamily of the class B G protein-coupled receptor (GPCR) group of the epidermal growth factor (EGF) and is present on the surface of lymphocytes, monocytes, macrophages, dendritic cells, granulocytes, and smooth muscle, being a dimeric glycoprotein with a 75-90 kDa intracellular domain and a 28 kDa extracellular domain. It plays a vital role in cell adhesion, migration, and cell connection regulation. CD97 is expressed on T-cells, but rarely on B cells. CD97 might play key roles in cellular adhesion, through connections with other proteins of the cell surface and of the extracellular matrix.		
References	1. Michael Safaee, et al. (2013) Int J Oncol. 43(5):1343-50. 2. Qiuming Su, et al. (2022) World J Surg Oncol. 20(1):382. 3. Cristiana Tanase, et al. (2020) Int J Mol Sci. 21(16):5656.		
Synonyms	ADGRE5, Adhesion G protein-coupled receptor E5, Adhesion G protein-coupled receptor E5 subunit alpha, Adhesion G protein-coupled receptor E5 subunit beta, CD97 antigen		

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

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Selected Validation Data



Purity of Recombinant Human CD97 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.