

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	PACR
Synonyms	PAC1; PAC1R; PACAPR; PACAPRI
Description	Human PACR-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P41586
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length PACR-Strep protein has a MW of 53.3 kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	Type I adenylate cyclase activating polypeptide receptor, which is a membrane-associated protein and shares significant homology with members of the glucagon/secretin receptor family. This receptor mediates diverse biological actions of adenylate cyclase activating polypeptide 1 and is positively coupled to adenylate cyclase.
Usage	Research use only
Conjugate	Unconjugated



**ELISA assay to evaluate PACR-Strep-Nanodisc**  
0.2µg Human PACR-Strep-Nanodisc per well

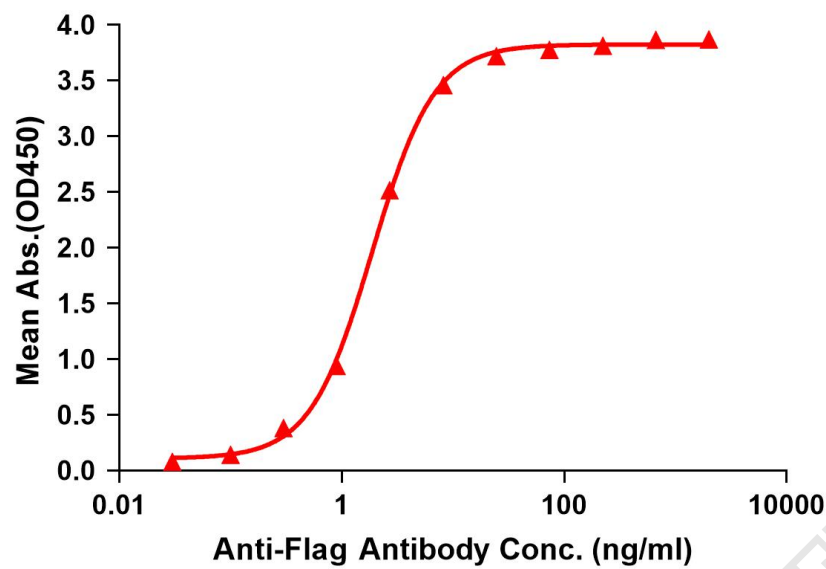


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag PACR-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with PACR-Strep-nanodisc is 1.887ng/ml.

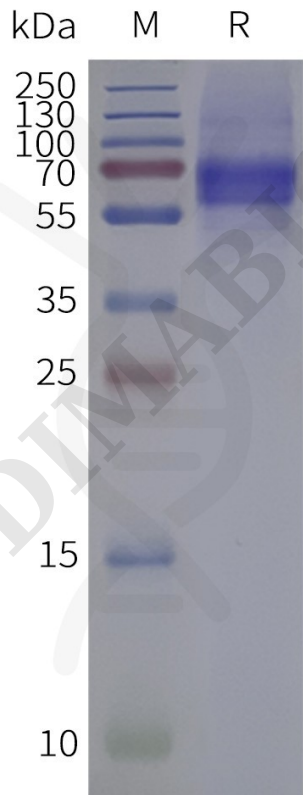


Figure 2. Human PACR-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

