PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	ADGRG2
Synonyms	CBAVDX; EDDM6; GPR64; HE6; TM7LN2
Description	Human ADGRG2 full length protein-synthetic nanodisc
Uniprot ID	Q8IZP9
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	N.A.
Molecular Weight	The human full length ADGRG2 protein has a MW of 111.6 kDa
Delivery	In Stock
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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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	A member of the G protein-coupled receptor family described as an epididymis-specific transmembrane protein. The encoded protein may be proteolytically processed as it contains a motif shown to be a protein scission motif in some members of this family.
Usage	Research use only
Conjugate	Unconjugated

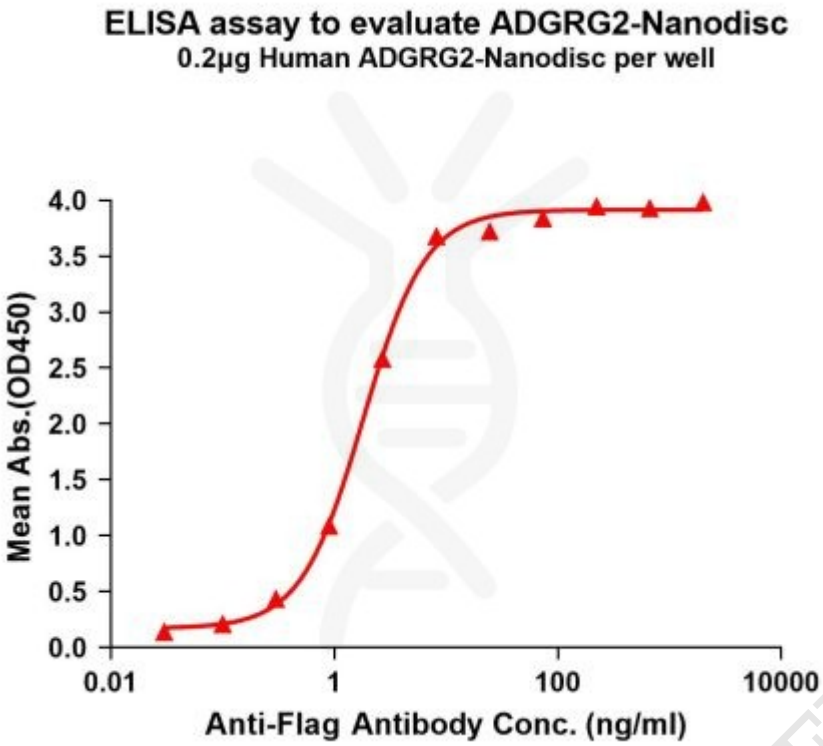

Figure1. Elisa plates were pre-coated with Flag Tag ADGRG2-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with ADGRG2-Nanodisc is 1.816ng/ml.

Figure2. Human ADGRG2-Nanodisc, Flag Tag on SDS-PAGE