

PROKR1 protein

Human PROKR1 full length protein-synthetic nanodisc

CATALOG #
AAA47627

HOST
HEK293

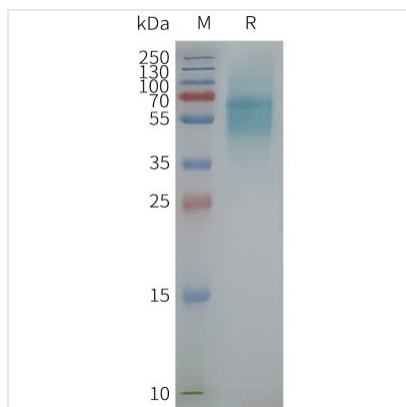
PRODUCT SYNONYMS

PROKR1; Human PROKR1 full length protein-synthetic nanodisc; GPR73; GPR73a; PK-R1; PKR1; ZAQ; PROKR1 protein

PRODUCT SPECIFICATIONS

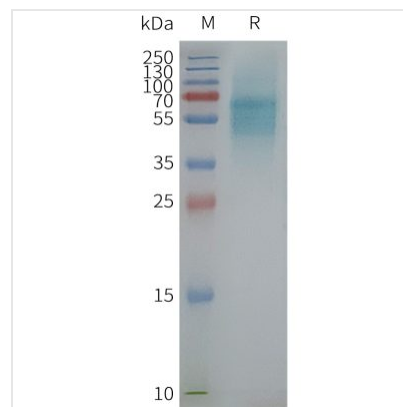
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).

IMAGES



SDS-PAGE

Figure1. Elisa plates were pre-coated with DYKDDDDK Tag PROKR1-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with PROKR1-Nanodisc is 6.323ng/ml.



ELISA

Figure1. Elisa plates were pre-coated with DYKDDDDK Tag PROKR1-Nanodisc (0.2ug/per well). Serial diluted anti-DYKDDDDK monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-DYKDDDDK monoclonal antibody binding with PROKR1-Nanodisc is 6.323ng/ml.

ADDITIONAL INFORMATION

Related Product Information for PROKR1 protein	A member of the G-protein-coupled receptor family. The encoded protein binds to prokineticins (1 and 2), leading to the activation of MAPK and STAT signaling pathways. Prokineticins are protein ligands involved in angiogenesis and inflammation. The encoded protein is expressed in peripheral tissues such as those comprising the circulatory system, lungs, reproductive system, endocrine system and the gastrointestinal system. The protein may be involved in signaling in human fetal ovary during initiation of primordial follicle formation. Sequence variants in this gene may be associated with recurrent miscarriage.
Product Categories/Family for PROKR1 protein	FLP 489; Full Length Transmembrane Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	20373179
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NCBI GeneID	10887
NCBI Accession #	NP_620414.1
NCBI GenBank Nucleotide #	NM_138964.2
UniProt Accession #	Q8TCW9 ; Q53QT9 ; Q8NFJ7 ; A5JUU2
Molecular Weight	44,770 Da
NCBI Official Full Name	prokineticin receptor 1
NCBI Official Synonym Full Names	prokineticin receptor 1
NCBI Official Symbol	PROKR1
NCBI Official Synonym Symbols	ZAQ; PKR1; GPR73; GPR73a
NCBI Protein Information	prokineticin receptor 1; PK-R1; G protein-coupled receptor 73; G-protein coupled receptor 73; G protein-coupled receptor ZAQ; G-protein coupled receptor ZAQ
UniProt Protein Name	Prokineticin receptor 1
UniProt Gene Name	PROKR1
UniProt Synonym Gene Names	GPR73; PKR1; PK-R1
UniProt Entry Name	PKR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/prokr1/47627>