

Prolactin receptor (PRLR) Active Protein | PRLR active protein

Recombinant Human Prolactin receptor (PRLR), partial (Active)

CATALOG #
AAA278911

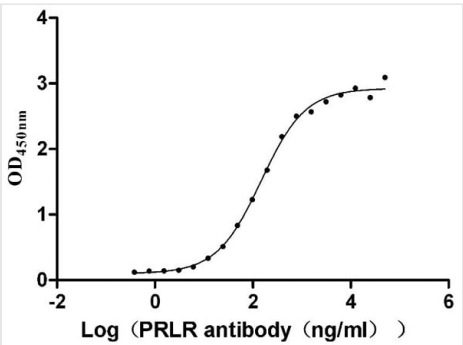
HOST
Mammalian Cell

PRODUCT SYNONYMS

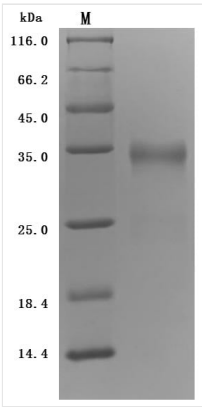
Prolactin receptor (PRLR); Recombinant Human Prolactin receptor (PRLR); partial (Active); (PRL-R); PRLR active protein

PRODUCT SPECIFICATIONS

Host	Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-234aa, Partial
Sequence	QLPPGKPEIF KCRSPNKETF TCWWRP GTDG GLPTNYS LTY HREGETLMHE CPDYITGGPN SCHFGKQYTS MWRTYIMMVN ATNQMGSSFS DELYVDVTYI VQDP PLELA VEVKQPEDRK PYLWIKWSPP TLIDLKTGWF TLLYEIRLKP EKAAEWEIHF AGQQTEFKIL SLHPGQKYLV QVRCKPDHGY WSAWSPATFI QIPSDFTMND
Species	Homo sapiens (Human)
Endotoxin	Less than 1.0EU/ug as determined by LAL method.
Relevance	This is a receptor for the anterior pituitary hormone prolactin (PRL). Acts as a prosurvival factor for spermatozoa by inhibiting sperm capacitation through suppression of SRC kinase activation and stimulation of AKT. Isoform 4 is unable to transduce prolactin signaling. Isoform 6 is unable to transduce prolactin signaling.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human PRLR at 2ug/mL can bind Anti-PRLR recombinant antibody, the EC50 is 126.8-171.9ng/mL.
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.



Bioactivity



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506107
NCBI GeneID	5618
NCBI Accession #	NP_000940.1
NCBI GenBank Nucleotide #	NM_000949.5
UniProt Accession #	P16471; Q16354; Q8TD75; Q8TD78; Q96P35; Q96P36; Q9BX87; Q9UJH5; B2R882
Molecular Weight	24,000
NCBI Official Full Name	prolactin receptor isoform 1
NCBI Official Synonym Full Names	prolactin receptor
NCBI Official Symbol	PRLR
NCBI Official Synonym Symbols	hPRLrI
NCBI Protein Information	prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein
UniProt Protein Name	Prolactin receptor
UniProt Gene Name	PRLR
UniProt Synonym Gene Names	PRL-R
UniProt Entry Name	PRLR_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.