Recombinant LSHR protein (His tag)

Catalog Number	539848
Synonyms	LH/CG-R; Luteinizing hormone receptor; LHR; LSH-R
Species	Human
Expression System	E. coli
Accession	P22888
Molecular Weight	Predictes a molecular mass of 30.03 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	27-283
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 27-283 aa (P22888) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This product is a recombinant fragment of the human Lutropin-choriogonadotropic hormone receptor (LHR), spanning residues 27-283 and encompassing the LRRNT domain. It serves as a specialized tool for investigating the structural and functional roles of this key domain in hormone signaling. The full-length Lutropin-choriogonadotropic hormone receptor (LHR) is a G protein-coupled receptor located in the cell membrane, functioning as a multi-pass membrane protein. It binds lutropin-choriogonadotropic hormone, activating adenylate cyclase through G proteins to mediate intracellular signaling. This receptor plays a critical role in reproductive physiology by regulating hormone responses.