



# Recombinant Human Lutropin-choriogonadotropic hormone receptor (LHCGR), partial

<b>Product Code</b>	CSB-BP012911HU
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P22888
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	EALCPEPCNCVDPGALRCPGPTAGLTRLRLSLAYLPVKVIPSQAFRGLNEVIKIEIS QIDSLERIEANAFDNLNLSEILIQNTKNLRYIEPGAFINLPRKYLKLSICNTGIRKFP DVTKVFSSSESNFILEICDNLHITTIPGNAFQGMNNE SVTLKLYGNGFEEVQSHA FNGTTLTSLELKENVHLEKMHNGAFRGATGPKTLDISSTKLQALPSYGLESIQR LIATSSYSLKKLPSRETFVNLLLEATLTYP SHCCAFRNLP TKEQNF SHSISENFSK QCESTVRKVNNKTLYSSMLAESEL SGWDY EYGFCLPKTPRCAPEPDAFNPCE DIMGYDFLR
<b>Source</b>	Baculovirus
<b>Target Names</b>	LHCGR
<b>Protein Names</b>	Recommended name: Lutropin-choriogonadotropic hormone receptor Short name= LH/CG-R Alternative name(s): Luteinizing hormone receptor Short name= LHR Short name= LSH-R
<b>Expression Region</b>	27-363
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Partial
<b>Target Details</b>	This gene encodes the receptor for both luteinizing hormone and choriogonadotropin. This receptor belongs to the G-protein coupled receptor 1 family, and its activity is mediated by G proteins which activate adenylate cyclase. Mutations in this gene result in disorders of male secondary sexual character development, including familial male precocious puberty, also known as testotoxicosis, hypogonadotropic hypogonadism, Leydig cell adenoma with precocious puberty, and male pseudohermaphroditism with Leydig cell hypoplasia.
<b>Reconstitution</b>	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 to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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