abcam

Product datasheet

# Recombinant Human hCG receptor/LHR protein (His tag) ab267899

1 Image

## Description

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|---|---|
| **Product name** | Recombinant Human hCG receptor/LHR protein (His tag) |
| **Purity** | > 90 % SDS-PAGE.<br>NULL |
| **Expression system** | Mammalian |
| **Accession** | P22888 |
| **Protein length** | Protein fragment |
| **Animal free** | No |
| **Nature** | Recombinant |
| **Species** | Human |
| **Sequence** | EALCPEPCNCVPDGALRCPGPTAGLTRLSLAYLPVKVIPS<br>QAFRGLNEVI<br>KIEISQIDSLERIEANAFDNLLNLSEILIQNTKNLRYIEPGAFIN<br>LPRLK<br>YLSICNTGIRKFPDVTKVFSSESNFILEICDNLHITTIPGNAFQ<br>GMNNES<br>VTLKLYGNGFEEVQSHAFNGTTLTSLELKENVHLEKMHNG<br>AFRGATGPKT<br>LDISSTKLQALPSYGLESIQRLIATSSYSLKKLPSRETFVNLL<br>EATLTYP<br>SHCCAFRNLPTKEQNFSHSISENFSKQCESTVRKVNNKTL<br>YSSMLAESEL<br>SGWDYEYGFCLPKTPRCAPEPDAFNPCEDIMGYDFLR |
| **Predicted molecular weight** | 42 kDa including tags |
| **Amino acids** | 27 to 363 |
| **Tags** | His tag N-Terminus |
| **Additional sequence information** | Extracellular domain. |

## Specifications

Our **Abpromise guarantee** covers the use of **ab267899** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| **Applications** | SDS-PAGE |
| **Form** | Liquid |

## Preparation and Storage

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|---|---|
| **Stability and Storage** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.<br>pH: 7.2<br>Constituents: PBS, 6% Trehalose |

## General Info

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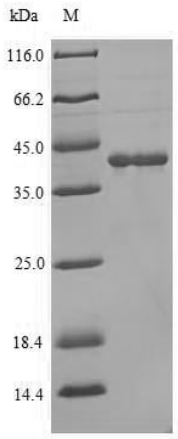
|---|---|
| **Function** | Receptor for lutropin-choriogonadotropic hormone. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. |
| **Tissue specificity** | Gonadal and thyroid cells. |
| **Involvement in disease** | Defects in LHCGR are a cause of familial male precocious puberty (FMPP) [MIM:176410]; also known as testotoxicosis. In FMPP the receptor is constitutively activated.<br>Defects in LHCGR are the cause of luteinizing hormone resistance (LHR) [MIM:238320]; also known as Leydig cell hypoplasia in males. LHR is an autosomal recessive disorder characterized by unresponsiveness to luteinizing hormone, defective sexual development in males, and defective follicular development and ovulation, amenorrhea and infertility in females. Two forms of the disorder have been defined in males. Type 1 is a severe form characterized by complete 46,XY male pseudohermaphroditism, low testosterone and high luteinizing hormone levels, total lack of responsiveness to luteinizing and chorionic gonadotropin hormones, lack of breast development, and absent development of secondary male sex characteristics. Type 2, a milder form, displays a broader range of phenotypic expression ranging from micropenis to severe hypospadias. |
| **Sequence similarities** | Belongs to the G-protein coupled receptor 1 family. FSH/LSH/TSH subfamily.<br>Contains 6 LRR (leucine-rich) repeats.<br>Contains 1 LRRNT domain. |
| **Cellular localization** | Cell membrane. |

## Images




SDS-PAGE - (ab267899)

SDS-PAGE analysis of ab267899 under reducing conditions.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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