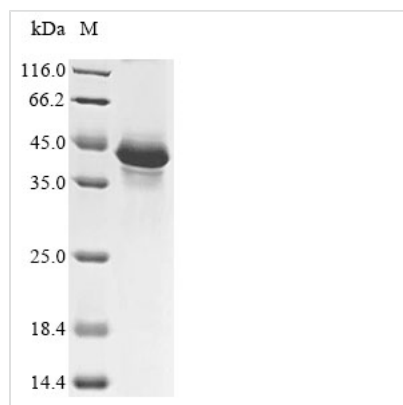




Recombinant Human Follicle-stimulating hormone receptor (FSHR), partial

Product Code	CSB-MP009021HU
Abbreviation	Recombinant Human FSHR protein, partial
Storage	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.
Uniprot No.	P23945
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	CHHRICHCSNRVFLCQESKVTEIPSDLPRNAIELRFVLTKLRVIQKGAFSGFGDL EKIEISQNDVLEVIEADVFSNLPKLHEIRIEKANNLLYINPEAFQNLPNLQYLLISN TGIKHLPDVHKKHSLQKVLLDIQDNINIHTIERNSEFVGLSFESVILWLNKNGIQEIH NCAFNGTQLDELNLSNLEELPNDVFHGHASGPVILDISRTRIHSLPSYGLEN LKKLRARSTYNLKKLPTLEKLVALMEASLTYPHCCAFANWRRQISELHPICNK SILRQEVDMYTQARGQRSSLAEDNESSYSRGFDMTYTEFDYDLCNEVVDVTC SPKPDADFNPCEIDIMGYNILR
Research Area	Neuroscience
Source	Mammalian cell
Target Names	FSHR
Protein Names	Recommended name: Follicle-stimulating hormone receptor Short name= FSH-R Alternative name(s): Follitropin receptor
Expression Region	18-366aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	43.5 kDa
Protein Length	Partial
Image	



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

Description

The recombinant human FSHR protein is encoded by a recombinant DNA that was cloned into the expression vector and then transformed into the mammalian cells that support the expression of the gene. The recombinant DNA was constructed by fusing the N-terminal 6xHis tag gene to the gene fragment coding for the 18-366aa of the human FSHR protein. After purification, the product is the recombinant human FSHR protein. This recombinant FSHR protein was subjected to the SDS-PAGE determination. Its purity reaches over 85% evaluated by BandsScan software analysis combined with SAS-PAGE. This recombinant FSHR protein may have applications in neuroscience.

Researchers found the FSHR is related to the cyclic AMP-dependent protein kinases. In addition, FSHR could induce the extracellular signal-regulated kinases (ERK). FSHR play different roles in different tissues: in the ovary, FSHR expressed on the granulosa cells, it is essential for follicular development; for male, FSHR expression levels also have been identified on the Sertoli cells and it are necessary for spermatogenesis; in the secretory endometrium of uterus, FSHR expression was observed as well; more important, FSHR has been found to be selectively expressed in tumors.

Shelf Life

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