



Recombinant Human Thyrotropin receptor (TSHR)-VLPs (Active)

Product Code	CSB-MP025131HU
Abbreviation	Recombinant Human TSHR protein-VLPs (Active)
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.	P16473
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TSHR at 10 µg/mL can bind Anti-TSHR recombinant antibody (CSB-RA025131MA1HU). The EC50 is 30.81-36.12 ng/mL. The VLPs (CSB-MP3838) is negative control.
Purity	Greater than 90% as determined by SEC-HPLC.
Sequence	GMGCSSPPCECHQEEDFRVTCKDIQRIPSLPPSTQTLKLIETHLRTIPSHAFSN LPNISRIYVSIDVTLQQLESHSFYNLSKVTHIEIRNTRNLTYIDPDALKELPLLKFL GIFNTGLKMFDPDLTKVYSTDIFFILEITDNPYMTSIPVNAFQGLCNETLTLKLYNN GFTSVQGYAFNGTKLDAVYLNKNKYLTVIDKDAFGGVYSGPSLLDVSQTSVTA LPSKGLEHLKELIARNTWTLKKLPLSLSFLHLTRADLSYPHCCAFKNQKKIRGI LESLMCNESSMQSLRQRKSVNALNSPLHQEYEENLGDIVGYKEKSKFQDTH NNAHYVVFEEQEDEIIGFGQELKNPQEETLQAFDSHYDYTCGDSEDMVCTP KSDEFNCPEDIMGYKFLRIVVWFVSLALLGNVFVLLILLTSHYKLVNPRFLMCN LAFADFCMGMYLIIASVDLYTHSEYYNHAIWDWQTGPGCNTAGFFTVFASELS VYTLTVITLERWYAITFAMRLDRKIRLRHACAIMVGGWVCCFLLALLPLVGISSY AKVSICLPMDTETPLALAYIVFVLTNLIVAFVIVCCCYVKIYITVRNPQYNPGDKD TKIAKRMAVLIFTDFICMAPISFYALSAILNKPLITVSNSKILLVLFYPLNSCANPFL YAIFTKAFQRDVFILLSKFGICKRQAQAYRGQRVPPKNSTDIQVQKVTHDMRQ GLHNMEDVYELIENSHLTPKKQQQISEEYMQTVL
Source	Mammalian cell
Target Names	TSHR
Expression Region	21-764aa
Notes	The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20°C/-80°C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the



protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

Tag Info

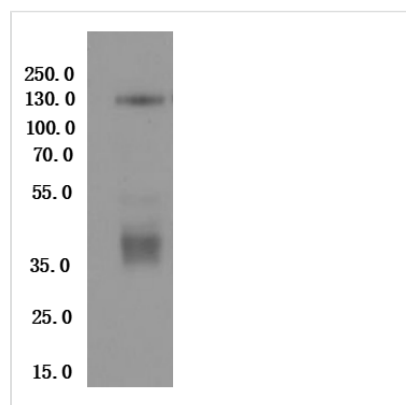
C-terminal 10xHis-tagged(This tag can be tested only under denaturing conditions)

Mol. Weight

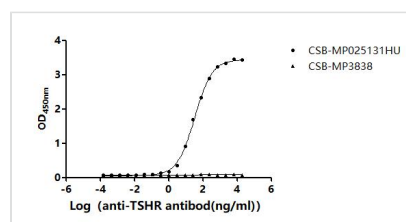
86.0 kDa

Protein Length

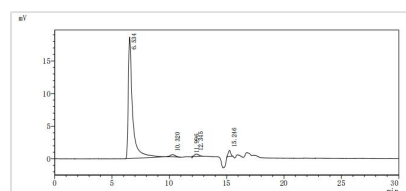
Full Length of Mature Protein

Image


CSB-MP025131HU is detected by Mouse anti-6*His monoclonal antibody.


Activity

Measured by its binding ability in a functional ELISA. Immobilized Human TSHR at 10 µg/ml can bind Anti-TSHR recombinant antibody (CSB-RA025131MA1HU). The EC₅₀ is 30.81-36.12 ng/mL. The VLPs (CSB-MP3838) is negative control.



The purity of VLPs was greater than 90% as determined by SEC-HPLC

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 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.

Shelf Life

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