



Recombinant Human Insulin receptor (INSR), partial (Active)

Product Code	CSB-MP011753HU(F2)
Abbreviation	Recombinant Human INSR protein, partial (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.	P06213-2
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile 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 INSR at 2 µg/mL can bind Anti-INSR recombinant antibody (CSB-RA011753MA1HU). The EC50 is 3.216-3.830 ng/mL.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	<p>HLYPGEVCPGMDIRNNLTRLHELENCVIEGHLQILLMFKTRPEDFRDLSFPKLI MITDYLLLFRVYGLESKDLFPNLTVIRGSRLFFNYALVIFEMVHLKELGLYNLM NITRGSVRIEKNNELCYLATIDWSRILDSVEDNYIVLNKDDNEECGDICPGTAKG KTNCPATVINGQFVERCWTHSHCQKVCPTICKSHGCTAEGLCCHSECLGNCS QPDDPTKCVACRNFYLDGRCVETCPPPYHYFQDWRCVNFSCQDLHHKCKN SRRQGCHQYVIHNNKCIPECPSGYTMNSSNLLCTPCLGPCPKVCHLLEGEKTI DSV TSAQELRGCTVINGSLIINIRGGNNLAAELEANLGLIEEISGYLKIRRSYALV SLSFFRKLRLIRGETLEIGNYSFYALDNQNLRLQLDWWSKHNLTTITQGKLLFFHYN PKLCLSEIHKMEEVSGTKGRQERNDIALKTNGDQASCENELLKFSYIRTSFDKIL LRWEPYWPPDFRDLLGFMLFYKEAPYQNVTEFDGQDACGSNSWTVVDIDPPL RSNDPKSQNHGWL MRGLKPWTQYAIFVKTLVTFSDERRTYGAKSDIIVVQTD ATNPSVPLDPISVSNSSSQIILKWKPPSDPNGNITHYLVFWERQAEDSELFELD YCLKGLKLPSRTWSPPFESQKHNSQSEYEDSAGECCSCPKTDSQILKELE ESSFRKTFEDYLHNVVVFPVPRSRKRRSLGDVGNVTVAVPTVAAFPNTSSTSVP TSPEEHRPFKVVNKESSLVISGLRHFTGYRIELQACNQDTPEERCSVAAYVSA RTMPEAKADDIVGPVTHEIFENNVVHLMWQEPKEPNGLIVLYEVSYRRYGDEE LHLCVSRKHFALE RGCRLRGLSPGNYSVRIRATSLAGNGSWTEPTYFYVTDYL DVPSNIAK</p>
Source	Mammalian cell
Target Names	INSR
Expression Region	28-944aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info

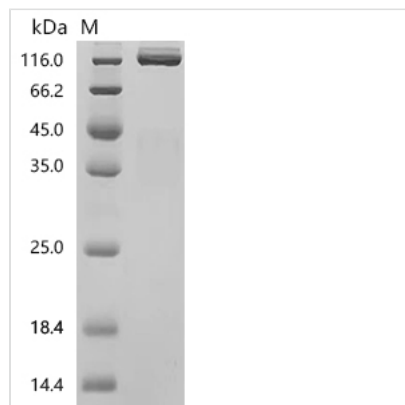
C-terminal 10xHis-tagged

Mol. Weight

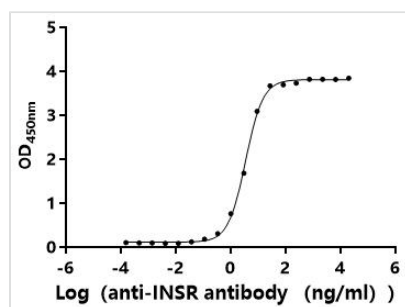
106.0 kDa

Protein Length

Partial of Isoform Short

Image


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


Activity

Measured by its binding ability in a functional ELISA. Immobilized Human INSR at 2 µg/ml can bind Anti-INSR recombinant antibody (CSB-RA011753MA1HU). The EC₅₀ is 3.216-3.830 ng/mL.

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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

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.