



Recombinant Human Interleukin-1 receptor type 1 (IL1R1)

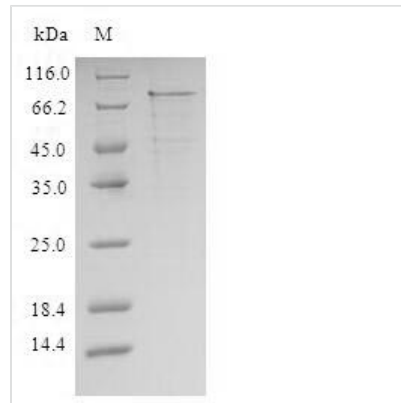
Product Code	CSB-CF011621HU
Relevance	Receptor for IL1A, IL1B and IL1RN. After binding to interleukin-1 associates with the coreceptor IL1RAP to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B, MAPK and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Binds ligands with comparable affinity and binding of antagonist IL1RN prevents association with IL1RAP to form a signaling complex.
Abbreviation	Recombinant Human IL1R1 protein
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.	P14778
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	LEADKCKEREEKIILVSSANEIDVRPCPLNPNEHKGITWYKDDSKTPVSTEQA SRIHQHKEKLWFPKVEDSGHYVCVRNSSYCLRIKISAKFVENEPNLCYNA QAIFKQKLPVAGDGGLVCPYMEFFKNENNELPKLQWYKDCKPLLLDNIHFSGV KDRLIVMNVAEKHRGNYTCHASYTYLGKQYPITRVIEFITLEENKPTRPVIVSPA NETMEVDLGSQIQLICNVTGQLSDIAYWKWNGSVIDEDDPVLGEDYYSVENPA NKRRSTLITVLNISEIESRFYKHPFTCFKANTHGIDAAYIQLIYPVTNPFQKHMIGIC VTLTVIIVCSVFIYKIFKIDIVLWYRDSCYDFLPIKASDGKTYDAYILYPKTVGEGS TSDCDIFVFKVLPEVLEKQCGYKLFYGRDDYVGEDIVEVINENVKKSRRLLIILV RETSGFSWLGGSSSEEQIAMYNALVQDGIKVVLLELEKIQDYEKMPESIKFIKQK HGAIRWSGDFTQGPQSAKTRFWKNVRYHMPVQRRSPSSKHQLLSPATKEKL QREAHVPLG
Research Area	Immunology
Source	in vitro E.coli expression system
Target Names	IL1R1
Protein Names	CD121 antigen-like family member A Interleukin-1 receptor alpha
Expression Region	18-569aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged



Mol. Weight 83.5kDa

Protein Length Full Length of Mature Protein

Image



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

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.