



# Recombinant Human Interleukin-1 receptor-associated kinase 1 (IRAK1)

<b>Product Code</b>	CSB-YP011808HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P51617
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAGGPGPGEP AAPGAQHFLY EVPPWVMCRF YKVMDALEPA DWCQFAALIV RDQTELRICE RSGQRTASVL WPWINRNARV ADLVHILTHL QLLRARDIIT AWHPPAPLPS PGTTAPRPSS IPAPAEAEAW SPRKLPSSAS TFLSPAFPGS QTHSGPELGL VPSPASLWPP PPSPAPSSTK PGPESSVSL QGARPFPFCW PLCEISRGTH NFSEELKIGE GFGVCYRAV MRNTVYAVKR LKENADLEWT AVKQSFLTEV EQLSRFRHPN IVDFAGYCAQ NGFYCLVYGF LPNGSLEDRL HCQTQACPL SWPQRDILL GTARAIQFLH QDPSLIHGD IKSSNVLLDE RLTPKLGDFG LARFSRFAGS SPSQSSMVAR TQTVRGTLAY LPEEYIKTGR LAVD TD TFSF GVVVLETLG QRAVKTHGAR TKYLKDLVEE EAEEAGVALR STQSTLQAGL AADAWAAPIA MQIYKKHLDP RPGPCPELGL LGLGQLACCC LHRRAKRRPP MTQVYERLEK LQAVVAGVPG HSEAASCIPP SPQENSYVSS TGRAHSGAAP WQPLAAPSGA SAQAAEQ LQR GPNQPVESDE SLGGLSALR SWHLTPSCPL DPAPLREAGC PQGDTAGESS WGSGPGSRPT AVEGLALGSS ASSSSEPPQI IINPARQKMV QKLALYEDGA LDSLQLLSSS SLPGLGLEQD RQGPEESDEF QS
<b>Source</b>	Yeast
<b>Target Names</b>	IRAK1
<b>Protein Names</b>	Recommended name: Interleukin-1 receptor-associated kinase 1 Short name= IRAK-1 EC= 2.7.11.1
<b>Expression Region</b>	1-712
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes the interleukin-1 receptor-associated kinase 1, one of two putative serine/threonine kinases that become associated with the interleukin-1 receptor (IL1R) upon stimulation. This gene is partially responsible for IL1-induced upregulation of the transcription factor NF-kappa B. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Reconstitution</b>	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.