



# Recombinant Mouse Interleukin-1 receptor-associated kinase 1 (Irak1)

<b>Product Code</b>	CSB-EP011808MO-B
<b>Abbreviation</b>	Irak1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q62406
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAGGPGPGEP VVPGAQHFLY EVPPWVMCRF YKVMDALEPA DWCQFAALIV RDQTELRICE RSEQRTASVL WPWINRNARV ADLVHILTHL QLLRARDIIT AWHPPAPVVP PSTAAPRPSS ISAGSEAGDW SPRKLQSSAS TFLSPAFFPGS QTHSESELLQ VPLPVS LGPP LPSSAPSSTK SSPESPVSGL QRAHPSPFCW PFCEISQGTC NFSEELRIGE GGFGCVYRAV MRNTTYAVKR LKEEADLEWT MVKQSFLTEV EQLSRFRHPN IVDFAGYCAE SGLYCLVYGF LPNGSLEDQL HLQTQACSPL SWPQRDILL GTARAIQFLH QDSPSLIHGD IKSSNVLLDE RLMPKLGDFG LARFSRFAGA KASQSSTVAR TSTVRGTLAY LPEEYIKTGR LAVD TD TFSF GVVILETLAG QRAVRTQGAK TKYLKDLIED EAE EAGVTLK STQPTLWGV ATDAAPIA AQIYKKHLDS RPGPCPPQLG LALAQLACCC MHRRAKKRPP MTQVYKRLEG LQAGPPWELE VAGHGSPSPQ ENSYMSTTGS AQSGDEPWQP LVTTRAPAQ AAQLQRSPN QPVEDESVP GLSATLHSHW LTPGSHPSPA SFREASCTQG GTTRESSVRS SPGFQPTTME GSPTGSSSL SSEPQIIN PARQKMQVQKL ALYEEGVLDL LQLLSSGFFP GLDLEPEKSQ GPEESDEFQS
<b>Source</b>	E.coli
<b>Target Names</b>	Irak1
<b>Protein Names</b>	Recommended name: Interleukin-1 receptor-associated kinase 1 Short name= IRAK Short name= IRAK-1 EC= 2.7.11.1 Alternative name(s): Pelle-like protein kinase Short name= mPLK
<b>Expression Region</b>	1-710
<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.

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**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.

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**Shelf Life**

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