



Recombinant Mouse Kelch-like ECH-associated protein 1 (Keap1)

Product Code	CSB-EP012147MO-B
Abbreviation	Keap1
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.	Q9Z2X8
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	<pre>MQPEPKLSGA PRSSQFLPLW SKCPEGAGDA VMYASTECKA EVTSPQDGNR TFSYTLIEDHT KQAFGVMNEL RLSQQLCDVT LQVKYEDIPA AQFMAHKVVL ASSSPVFKAM FTNGLREQGM EVVSIIEGIHP KVMERLIEFA YTASISVGEK CVLHVMNGAV MYQIDSVVRA CSDFLVQQLD PSNAIGIANF AEQIGCTELH QRAREYIYMH FGEVAKQEEF FNLSHCQLAT LISRDDLNR CESEVFHACI DWVKYDCPQR RFYVQALLRA VRCHALTPRF LQTQLQKCEI LQADARCKDY LVQIFQELTL HKPTQAVPCR APKVGRLIYT AGGYFRQSLS YLEAYNPSNG SWLRLADLQV PRSGLAGCVV GLLYAVGGR NNSPDGNTDS SALDCYNPMT NQWSPCASMS VPRNRIGVGV IDGHIYAVGG SHGCIHHSSV ERYEPERDEW HLVAPMLTRR IGVGVAVLNR LLYAVGGFDG TNRLNSAECY YPERNEWMI TPMNTIRSGA GVCVLHNCIY AAGGYDGQDQ LNSVERYDVE TETWTFVAPM RHRSALGIT VHQQKIYVLG GYDGHFTFLDS VECYDPDSDT WSEVTRMTSG RSGVGVAVTM EPCRKQIDQQ NCTC</pre>
Source	E.coli
Target Names	Keap1
Protein Names	Recommended name: Kelch-like ECH-associated protein 1 Alternative name(s): Cytosolic inhibitor of Nrf2 Short name= INrf2
Expression Region	1-624
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of



gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene.

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.