



# Recombinant Rat Sequestosome-1 (Sqstm1)

<b>Product Code</b>	CSB-EP022647RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O08623
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ASLTVKAYL LGKEEAAREI RRFSCFCFSPE PEAEAAAGPG PCERLLSRVA VLFPALRPGG FQAHYRDEDG DLVAFSSDEE LTMAMSYVKD DIFRIYIKEK KECRREHRPP CAQEARMVH PNVICDGCNG PVVGTRYKCS VCPDYDLCSV CEGKGLHREH SKLIFPNPFG HLSDSFHSR WLRKCLKHGHF GWPGWEMGPP GNWSPRPPRA GDGRPCPTAE SASAPSEDPN VNFLKNVGES VAAALSPLGI EVDIDVEHGG KRSRLTPTSA ESSSTGTEDK SGTQPSSCSS EVSKPDGAGE GPAQSLTEQM KKIALESVGQ PEELMESDNC SGGDDDWTHL SSKEVDPSTG ELQSLQMPES EGPSSLDPSQ EGPTGLKEAA LYPHLPPEAD PRLIESLSQM LSMGFSDEGG WLTRLLQTKN YDIGAALDTI QYSKHPPL
<b>Source</b>	E.coli
<b>Target Names</b>	Sqstm1
<b>Protein Names</b>	Recommended name: Sequestosome-1 Alternative name(s): Protein kinase C- zeta-interacting protein Short name= PKC-zeta-interacting protein Ubiquitin- binding protein p62
<b>Expression Region</b>	2-439
<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 of Mature Protein
<b>Target Details</b>	This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF-κB) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor- associated factor 6 to mediate activation of NF-κB in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for this gene. Mutations in this gene result in sporadic and familial Paget disease of bone.
<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.
<b>Shelf Life</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.