

Recombinant Rat Sqstm1 Protein, His-tagged

Cat. No. Sqstm1-2098R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Sqstm1 Protein (Ala2-Leu439) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala2-Leu439
Description	Enables identical protein binding activity and protein kinase C binding activity. Involved in positive regulation of protein phosphorylation and response to ischemia. Located in Lewy body and mitochondrion. Biomarker of glaucoma and hypertension. Human ortholog(s) of this gene implicated in GNE myopathy; Paget's disease of bone; and frontotemporal dementia and/or amyotrophic lateral sclerosis-3. Orthologous to human SQSTM1 (sequestosome 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 51.3 kDa Accurate Molecular Mass: 60 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

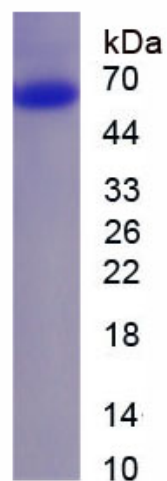
GENE INFORMATION

Gene Name	Sqstm1 sequestosome 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Sqstm1
Synonyms	SQSTM1; sequestosome 1; sequestosome-1; oxidative stress induced; PKC-zeta-interacting protein; ubiquitin-binding protein p62; protein kinase C-zeta-interacting protein; Osi; ZIP; ZIP3;
Gene ID	113894
mRNA Refseq	NM_175843
Protein Refseq	NP_787037
UniProt ID	O08623

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