

Recombinant Rat S100a8 protein, His & T7-tagged

Cat. No. S100a8-1803R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat S100a8 aa. (Met1~Glu89 (Accession # P50115)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Glu89
Description	May play a role in inflammatory response.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.9kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage Buffer

Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

GENE INFORMATION

Gene Name

S100a8 S100 calcium binding protein A8 [*Rattus norvegicus* (Norway rat)]

Official Symbol

S100a8

Synonyms

S100A14; S100 calcium binding protein A14; BCMP84; S100A15; protein S100-A14; S114; breast cancer membrane protein 84

Gene ID

116547

mRNA Refseq

NM_053822.2

Protein Refseq

NP_446274.2

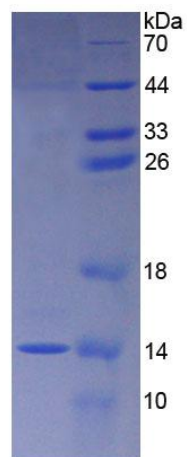
UniProt ID

P50115

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15% SDS-PAGE

SDS-PAGE

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