Recombinant Rat Gad1 protein, His & S-tagged

Cat. No. Gad1-8150R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gad1 aa. (Met1~Leu97 (Accession # P18088)) fused with N-terminal His & S tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~Leu97
Form	Freeze-dried powder
Molecular Mass	16 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.7.
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 at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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	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 PBS, pH7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Gad1 glutamate decarboxylase 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Gad1
Synonyms	Gad67; glutamate decarboxylase 1; 67 kDa glutamic acid decarboxylase; GAD-67; Glutamate decarboxylase 1 (brain); glutamate decarboxylase 1 variant GAD67NT; glutamate decarboxylase 67 kDa isoform; glutamic acid decarboxylase 1
Gene ID	24379
mRNA Refseq	NM_017007.1
Protein Refseq	NP_058703.1
UniProt ID	P18088

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