Recombinant Rat Alas1 Protein, His&GST-tagged

Cat. No. Alas1-111R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Alas1 Protein (Lys355-Ala642) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Lys355-Ala642
Description	Enables 5-aminolevulinate synthase activity. Involved in several processes, including cellular response to insulin stimulus; response to herbicide; and response to nickel cation. Located in mitochondrion. Biomarker of porphyria and pulmonary hypertension. Orthologous to human ALAS1 (5'-aminolevulinate synthase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 62 kDa Accurate Molecular Mass: 62 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

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

	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	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Alas1 aminolevulinate, delta-, synthase 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Alas1
Synonyms	ALAS1; aminolevulinate, delta-, synthase 1; 5-aminolevulinate synthase, nonspecific, mitochondrial; ALA-S; ALAS-H; ALAS-N; delta-ALA synthase 1; delta-ALA synthetase; 5-aminolevulinate synthase 1; aminolevulinic acid synthase 1; 5-aminolevulinic acid synthase 1; delta-aminolevulinate synthase 1; ALAS
Gene ID	65155
mRNA Refseq	NM_024484
Protein Refseq	NP_077810
UniProt ID	P13195

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