Recombinant Rat Lct protein, His & T7-tagged

Cat. No. Lct-1679R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Lct aa. (Ala33~Ala291 (Accession # Q02401)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala33~Ala291
Description	Catalyzes the hydrolysis of pyridoxine-5'-beta-D-glucoside to release pyridoxine; also catalyses the hydrolysis of lactose to D-glucose and D-galactose.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
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°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less

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	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, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.2

GENE INFORMATION

Gene Name	Lct lactase [Rattus norvegicus (Norway rat)]
Official Symbol	Lct
Synonyms	Lct; lactase; Lph; lactase-phlorizin hydrolase; lactase-glycosylceramidase
Gene ID	116569
mRNA Refseq	NM_053841.1
Protein Refseq	NP_446293.1
UniProt ID	Q02401

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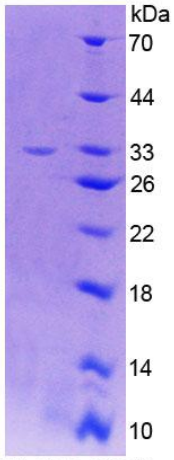
SDS-PAGE	 15% SDS-PAGE

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