

Recombinant Rat Gja5 protein, His-tagged

Cat. No. Gja5-6995R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gja5 aa. (Ala50~Glu303) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala50~Glu303
Description	Forms intercellular connexin channels in gap junctions; mediates cell-cell communication.
Form	Freeze-dried powder
Molecular Mass	20&16kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 6.9.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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 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.

Concentration

200ug/mL

Storage buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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

Gja5 gap junction protein, alpha 5 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Gja5

Synonyms

Gja5; gap junction protein, alpha 5; Cx40; gap junction alpha-5 protein; connexin 40; gap junction membrane channel protein alpha 5

Gene ID

50563

mRNA Refseq

NM_019280.1

Protein Refseq

NP_062153.1

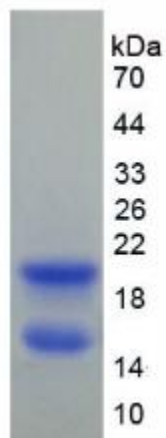
UniProt ID

P28234

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SDS-PAGE

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