

## Recombinant Human GJA4 protein, His-tagged

**Cat. No.** GJA4-6996H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GJA4 aa. (Val79~Ser328 (Accession # P35212)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Val79~Ser328
<b>Description</b>	This gene encodes a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene have been associated with atherosclerosis and a higher risk of myocardial infarction.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 29.4kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 8.7.

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	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 than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	GJA4 gap junction protein alpha 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GJA4
<b>Synonyms</b>	GJA4; gap junction protein alpha 4; CX37; gap junction alpha-4 protein; connexin-37; gap junction protein, alpha 4, 37kDa
<b>Gene ID</b>	2701
<b>mRNA Refseq</b>	NM_002060.2
<b>Protein Refseq</b>	NP_002051.2
<b>UniProt ID</b>	P35212

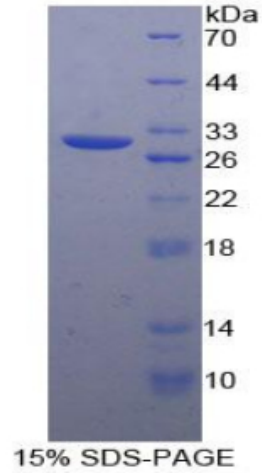
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SDS-PAGE



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