

Recombinant Human GJB3 protein, His-tagged

Cat. No. GJB3-6998H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GJB3 aa. (Cys211~Pro269 (Accession # O75712)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys211~Pro269
Description	This gene is 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 can cause non-syndromic deafness or erythrokeratoderma variabilis, a skin disorder. Alternative splicing results in multiple transcript variants encoding the same protein.
Form	Freeze-dried powder
Molecular Mass	7 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 8.9.

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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 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 liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	GJB3 gap junction protein beta 3 [Homo sapiens (human)]
Official Symbol	GJB3
Synonyms	GJB3; gap junction protein beta 3; EKV; CX31; DFNA2; EKVP1; DFNA2B; gap junction beta-3 protein; connexin 31; gap junction protein, beta 3, 31kDa
Gene ID	2707
mRNA Refseq	NM_001005752.1
Protein Refseq	NP_001005752.1
UniProt ID	O75712

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