

Recombinant Human GJB1 Protein, His-tagged, OVA Conjugated

Cat. No. GJB1-2810H Lot. No. (See product label)

SPECIFICATION

Product Overview	OVA Conjugated Recombinant Human GJB1 Protein (Lys265-Arg279) fused with a N-His tag.
Species	Human
Source	Protein Conjugation
ProteinLength	Lys265-Arg279
Description	This gene encodes a member of the gap junction protein family. The gap junction proteins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15 kDa
Purity	> 90%

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Applications	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 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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
Conjugation	OVA

GENE INFORMATION

Gene Name	GJB1 gap junction protein, beta 1, 32kDa [Homo sapiens]
Official Symbol	GJB1
Synonyms	GJB1; gap junction protein, beta 1, 32kDa; CMTX, CMTX1, gap junction protein, beta 1, 32kD (connexin 32, Charcot Marie Tooth neuropathy, X linked) , gap junction protein, beta 1, 32kDa (connexin 32) , gap junction protein, beta 1, 32kDa (connexin 32, Charcot Marie Tooth neuropathy, X linked); gap junction beta-1 protein; Charcot Marie Tooth neuropathy; X linked; connexin 32; CX32; connexin-32; GAP junction 28 kDa liver protein; CMTX; CMTX1;
Gene ID	2705

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mRNA Refseq	NM_000166
Protein Refseq	NP_000157
MIM	304040
UniProt ID	P08034

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