

Recombinant Human GJB1 Protein, GST-tagged

Cat. No. GJB1-4926H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GJB1 full-length ORF (NP_000157.1, 1 a.a. - 283 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	58.4 kDa
AA Sequence	MNWTGLYTLLSGVNRHSTAIGRVWLSVIFIRIMVLVVAESVWGDEKSSFICNTLQP GCNSVCYDQFFPISHVRLWSLQLILVSTPALLVAMHVAHQHIEKKMLRLEGHGDPL HLEEVRHKVHISGTLWWTYVISVVFRLLEAVFMVVFYLLYPGYAMVRLVKCDVYP CPNTVDCFVSRPTEKTVFTVFMLAASGICILNVAEVVYLIIRACARRAQRSSNPSPSRK GSGFGHRLSPEYKQNEINKLLSEQDGSCLKDILRRSPGTGAGLAEKSDRCSAC
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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
mRNA Refseq	NM_000166
Protein Refseq	NP_000157
MIM	304040

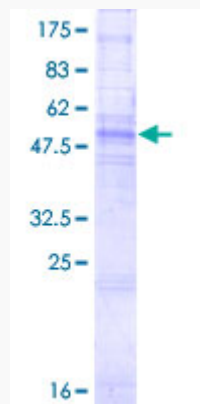
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UniProt ID

P08034

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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