

Recombinant Full Length Human GJB3 Protein, GST-tagged

Cat. No. GJB3-5295HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GJB3 full-length ORF (AAH12918.1, 1 a.a. - 270 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	270 amino acids
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. [provided by RefSeq]
Molecular Mass	55.44 kDa
AA Sequence	MDWKTLLQALLSGV NKYSTAFGR IWL SVVFVFRVLVYVVA AERVWGDEQKDFDCNT KQPGCTNVCYDNYFPISNIRLWALQLIFVTCPSLLVILHVAYREERERRHRQKHGDQ CAKLYDNAGKKHGGLLWWTYLFSLIFKLIIEFLFLYLLHTLWHGFNMPRLVQCANVAP CPNIVDCYIARPTEKKIFTYFMVGASAVCIVLTICELCYLICHVRLRGLHKDKPRGGCS PSSASRASTCRCHHKLVEAGEVDPDPGNNKLQASAPNLTP I
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	GJB3 gap junction protein, beta 3, 31kDa [Homo sapiens]
Official Symbol	GJB3
Synonyms	GJB3; gap junction protein, beta 3, 31kDa; DFNA2, EKV, erythrokeratoderma variabilis, gap junction protein, beta 3, 31kD (connexin 31), gap junction protein, beta 3, 31kDa (connexin 31); gap junction beta-3 protein; connexin 31; CX31; connexin-31; EKV; DFNA2; DFNA2B; FLJ22486; MGC102938;
Gene ID	2707
mRNA Refseq	NM_001005752
Protein Refseq	NP_001005752
MIM	603324
UniProt ID	O75712

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