

Recombinant Human GJB3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GJB3-1077H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GJB3 MS Standard C13 and N15-labeled recombinant protein (NP_001005752) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	30.8 kDa
AA Sequence	MDWKTQLQALLSGV NKYSTAFGR IWL SVVFVRVLVYVVAERVWGDEQKDFDCNT KQPGCTNVCYDNYFPISNIRLWALQLIFVTCPSLLVILHVAYREERERRHRQKHGDQ CAKLYDNAGKKHGGGLWWTYLFSLIFKLIIEFLFLYLLHTLWHGFNMPRLVQCANVAP CPNIVDCYIARPTTEKKIFTYFMVGASAVCIVLTICELCYLICHVRVLRGLHKDKPRGGCS PSSSASRASTCRCHHKLVEAGEVDPDPGNNKLQASAPNLTPIRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

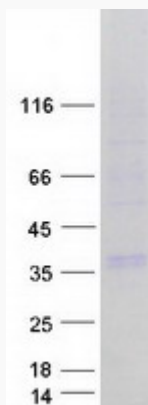
GENE INFORMATION

Gene Name	GJB3 gap junction protein beta 3 [Homo sapiens (human)]
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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SDS-PAGE

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