

Recombinant Human GJB3, His-tagged

Cat. No. GJB3-13278H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GJB3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-170a.a.
Description	GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI2 is ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may be prone to inversion/deletion rearrangements. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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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
UniProt ID	O75712
Chromosome Location	1p34
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Gap junction assembly, organism-specific biosystem; Gap junction trafficking, organism-specific biosystem; Gap junction trafficking and regulation, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;
Function	gap junction channel activity;