

Recombinant Human GJB6 Protein, GST-tagged

Cat. No. GJB6-4933H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GJB6 partial ORF (AAH38934, 45 a.a. - 75 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Gap junctions allow the transport of ions and metabolites between the cytoplasm of adjacent cells. They are formed by two hemichannels, made up of six connexin proteins assembled in groups. Each connexin protein has four transmembrane segments, two extracellular loops, a cytoplasmic loop formed between the two inner transmembrane segments, and the N- and C-terminus both being in the cytoplasm. The specificity of the gap junction is determined by which connexin proteins comprise the hemichannel. In the past, connexin protein names were based on their molecular weight, however the new nomenclature uses sequential numbers based on which form (alpha or beta) of the gap junction is present. This gene encodes one of the connexin proteins. Mutations in this gene have been found in some forms of deafness and in some families with hidrotic ectodermal dysplasia. [provided by RefSeq]
Molecular Mass	29.15 kDa
AA Sequence	GDEQEDFVCNTLQPGCKNVCYDHFFPVSHIR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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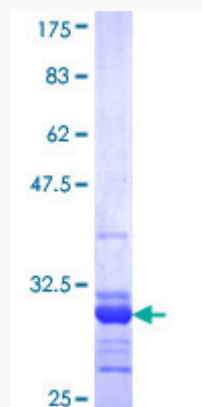
	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GJB6 gap junction protein, beta 6, 30kDa [Homo sapiens]
Official Symbol	GJB6
Synonyms	GJB6; gap junction protein, beta 6, 30kDa; DFNA3, ectodermal dysplasia 2, hidrotic (Clouston syndrome), ED2, gap junction protein, beta 6, gap junction protein, beta 6 (connexin 30); gap junction beta-6 protein; connexin 30; CX30; EDH; HED; connexin-30; gap junction protein, beta 6 (connexin 30); ectodermal dysplasia 2, hidrotic (Clouston syndrome); ED2; DFNA3; DFNA3B; DFNB1B;
Gene ID	10804
mRNA Refseq	NM_001110219
Protein Refseq	NP_001103689
MIM	604418
UniProt ID	O95452

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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