



Human GJC1 peptide (DAG-P0048)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen 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. Alternatively spliced transcript variants encoding the same isoform have been described. [provided by RefSeq, Jul 2008] |
| Purity | 70 - 90% by HPLC. |
| Conjugate | Unconjugated |
| Sequence Similarities | Belongs to the connexin family. Gamma-type subfamily. |
| Format | Liquid |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

GENE INFORMATION

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| Gene Name | GJC1 gap junction protein, gamma 1, 45kDa [Homo sapiens (human)] |
| Official Symbol | GJC1 |
| Synonyms | GJC1; gap junction protein, gamma 1, 45kDa; CX45; GJA7; gap junction gamma-1 protein; connexin 45; connexin-45; gap junction alpha-7 protein; |
| Entrez Gene ID | 10052 |
| mRNA Refseq | NM_001080383.1 |
| Protein Refseq | NP_001073852.1 |

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| UniProt ID | P36383 |
| Chromosome Location | 17q21.31 |
| Pathway | Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Electric Transmission Across Gap Junctions, 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; Neuronal System, organism-specific biosystem; Transmission across Electrical Synapses, organism-specific biosystem; |
| Function | gap junction channel activity; ion channel activity; |