

Recombinant Human GJA4

Cat. No. GJA4-26253TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein Human Connexin 37 / GJA4 with a N terminal proprietary tag: predicted molecular weight 62.70 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	333 amino acids
Description	This gene encodes 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 have been associated with atherosclerosis and a higher risk of myocardial infarction.
Molecular Weight	62.700kDa inclusive of tags
Tissue specificity	Expressed in multiple organs and tissues, including heart, uterus, ovary, and blood vessel endothelium.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGDWGFLEKLLDQVQEHSTVVGKIWLTVLFIFRILILGLA GESVWGDEQSDFEFCNTA QPGCTNVCYDQAFPISHIRYWVL QFLFVSTPTLVYLGHVIYLSRREERLRQKEGELR ALPAKD PQVERALAAVERQMAKISVAEDGRLRIRGALMGTYVASVL CKSVLEAGFL YGQWRLYGWTMEPVFVCQRAPCPYLVD CFV SRPTEKTIFIIFMLVVGLISLVLNLEL VHLLCRCLSRGM RARQQGDAPPTQGTSSDPYTDQVFFYLPVGGPSSPPCPT YN GLSSEQNWANLTTEERLASSRPPLFLDPPPQNGQKPP SRPSSSASKKQYV
Sequence Similarities	Belongs to the connexin family. Alpha-type (group II) subfamily.
GENE INFORMATION	
Gene Name	GJA4 gap junction protein, alpha 4, 37kDa [Homo sapiens]
Official Symbol	GJA4
Synonyms	GJA4; gap junction protein, alpha 4, 37kDa; gap junction protein, alpha 4, 37kD (connexin 37) , gap junction protein, alpha 4, 37kDa (connexin 37); gap junction alpha-4 protein; connexin 37; CX37;
Gene ID	2701
mRNA Refseq	NM_002060
Protein Refseq	NP_002051
MIM	121012

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Uniprot ID	P35212
Chromosome Location	1p35.1
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;

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