Recombinant Human GJA5, GST-tagged

Cat. No. GJA5-13275H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GJA5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-358a.a.
Description	The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Mutations in this gene are associated with acromesomelic dysplasia, Hunter-Thompson type; brachydactyly, type C; and chondrodysplasia, Grebe type. These associations confirm that the gene product plays a role in skeletal development.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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Gene Name	GJA5 gap junction protein, alpha 5, 40kDa [Homo sapiens]
Official Symbol	GJA5
Synonyms	GJA5; gap junction protein, alpha 5, 40kDa; gap junction protein, alpha 5, 40kD (connexin 40) , gap junction protein, alpha 5, 40kDa (connexin 40); gap junction alpha-5 protein; connexin 40; CX40; connexin-40; ATFB11; MGC11185;
Gene ID	2702
mRNA Refseq	NM_005266
Protein Refseq	NP_005257
MIM	121013
UniProt ID	P36382
Chromosome Location	1q21.1
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;
Function	gap junction channel activity;

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