

Recombinant Human GJA5 protein, GST-tagged

Cat. No. GJA5-375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GJA5 protein(233-341 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	233-341 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	KIRQRFVKPRQHMAKCQLSGPSVGIVQSCTPPPDFNQCLENGPGGKFFNPFSNNM ASQQNTDNLVTEQVRGQEQTPEGGFIVRYGQKPEVPNGVSPGHRLPHGYHSDK
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200

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μl sterile water to achieve a working concentration of 0.25 g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

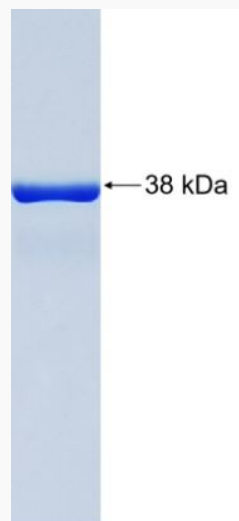
Gene Name	GJA5 gap junction protein, alpha 5, 40kDa [Homo sapiens]
Official Symbol	GJA5
Synonyms	GJA5; gap junction protein, alpha 5, 40kDa; gap junction protein, alpha 5, 40kD (connexin 40) , gap junction protein, alpha 5, 40kDa (connexin 40); gap junction alpha-5 protein; connexin 40; CX40; connexin-40;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

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SDS-PAGE



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