

Recombinant Full Length Human Gap Junction Alpha-1 Protein(Gja1) Protein, His-Tagged

Cat. No. RFL10056HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Gap junction alpha-1 protein(GJA1) Protein (P17302) (1-382aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length of Mature Protein (1-382)
Form	Lyophilized powder
AA Sequence	MGDWSALGKLLDKVQAYSTAGGKVWLSVLFIFRILLGTAVESAWGDEQSAFRCNT QQPGC ENVCYDKSFPISHVRFWVLQIIFVSVPTLLYLAHV FYVMRKEEKL NKKEEEL KVAQTDGV NVDMHLKQIEIKKFKY GIEEHGKV KMRGGLLR TYIISILFKSIFEVAFL LIQ WYIYG FSL SAVYTCKRDPCPHQVDCFLSRPTEKTIFIIFMLV VSLVSLALNIIELFYVFF KGVKDRV K GKSDPYHATSGALSPAKDCGSQKYAYFNGCSSPTAPLSPMSPPGYKL VTGDRNNSSCRNY NKQASEQN WANYS AEQNRMGQAGSTISNSHAQPFDFPDDN QNSKKLAAGHELQPLAIVDQ RPSSRASSRASSRPRPDDLEI
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

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for up to one week.

Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name

GJA1

Synonyms

GJA1; GJAL; Gap junction alpha-1 protein; Connexin-43; Cx43; Gap junction 43 kDa heart protein

UniProt ID

[P17302](#)

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