

Recombinant Full Length Human GJA8 Protein, GST-tagged

Cat. No. GJA8-5292HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GJA8 full-length ORF (AAI46508.1, 1 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	433 amino acids
Description	This gene encodes a transmembrane connexin protein that is necessary for lens growth and maturation of lens fiber cells. The encoded protein is a component of gap junction channels and functions in a calcium and pH-dependent manner. Mutations in this gene have been associated with zonular pulverulent cataracts, nuclear progressive cataracts, and cataract-microcornea syndrome. [provided by RefSeq, Dec 2009]
Molecular Mass	74.58 kDa
AA Sequence	MGDWSFLGNILEEVNEHSTVIGRVWLTVLFI FRILILGTAAEFVWGDEQSD FVCNTQQ PGCENV CYDEAFPI SHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKS REAEELG QQAGTNGGPDQGSVKKSSGSKG TKKFRLEG TLLRTYICHIIIFKTLFEVGFIVGHYFLY GFRILPLYRCSRWPCPNVVD CFVSRPTEKTIFILFMLSVASVSLFLNVMELGHLGLKG IRSALKRPVEQPLGEIPEKSLHSIAVSSI QKAKGYQLLEEEKIVSHYFPLTEVGMVETS PLPAKPFNQFEEKISTG PLGDL SRGYQETLPSYAQVGAQEVEGEGPPAEEGA EPEV GEKKEEAERLTTEE QEKVAVPEGEKVETPGVDKEGEKEEPQSEK VSKQGLPAE KTP

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SLCPELTDDARPLSRLSKASSRARSDDLTV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GJA8 gap junction protein, alpha 8, 50kDa [Homo sapiens]

Official Symbol

GJA8

Synonyms

GJA8; gap junction protein, alpha 8, 50kDa; CAE, CAE1, CZP1, gap junction protein, alpha 8, 50kD (connexin 50), gap junction protein, alpha 8, 50kDa (connexin 50); gap junction alpha-8 protein; connexin 50; CX50; connexin-50; lens fiber protein MP70; cell surface glycoprotein; lens intrinsic membrane protein MP70; gap junction membrane channel protein alpha-8; CAE; CAE1; CZP1; MP70;

Gene ID

2703

mRNA Refseq

NM_005267

Protein Refseq

NP_005258

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MIM	600897
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UniProt ID	P48165
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