

Recombinant Human GJA8 Protein, GST-tagged

Cat. No. GJA8-4924H **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	Wheat Germ
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 SHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAEELG QQAGTNGGPDQGSVKKSSGSKGTTKFRLEG TLLRTYICHIIFKTLFEVGFIVGHYFLY GFRILPLYRC SRWPCPNVVD CFVSRPTEKTIFILFMLSVASVSLFLNVMELGHLGLKG IRSALKRPVEQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFPLTEVGMVETS PLPAKPFNQFE EKISTGPLGDL SRGYQETLPSYAQVGAQEVEGEGPPAEEGAEP EV GEKKEEAERLTTEE QEKVAVPEGEKVETPGVDKEGEKEEPQSEKVSQGLPAE KTP SLCPELT TDDARPLSRLSKASSRARSDDLTV

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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
MIM	600897

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UniProt ID

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