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	MGDWSFLGNILEEVNEHSTVIGRVWLTVLFIFRILILGTAAEFVWGDEQSDFVCNTQQ PGCENVCYDEAFPISHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAEELG QQAGTNGGPDQGSVKKSSGSKGTKKFRLEGTLLRTYICHIIFKTLFEVGFIVGHYFLY GFRILPLYRCSRWPCPNVVDCFVSRPTEKTIFILFMLSVASVSLFLNVMELGHLGLKG IRSALKRPVEQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFPLTEVGMVETS PLPAKPFNQFEEKISTGPLGDLSRGYQETLPSYAQVGAQEVEGEGPPAEEGAEPEV GEKKEEAERLTTEEQEKVAVPEGEKVETPGVDKEGEKEEPQSEKVSKQGLPAEKTP

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	SLCPELTTDDARPLSRLSKASSRARSDDLTV
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	600897
UniProt ID	P48165

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA