Recombinant Human GJA8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GJA8-1535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GJA8 MS Standard C13 and N15-labeled recombinant protein (NP_005258) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	48 kDa
AA Sequence	MGDWSFLGNILEEVNEHSTVIGRVWLTVLFIFRILILGTAAEFVWGDEQSDFVCNTQQ PGCENVCYDEAFPISHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAEELG QQAGTNGGPDQGSVKKSSGSKGTKKFRLEGTLLRTYICHIIFKTLFEVGFIVGHYFLY GFRILPLYRCSRWPCPNVVDCFVSRPTEKTIFILFMLSVASVSLFLNVMELGHLGLKG IRSALKRPVEQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFPLTEVGMVETS PLPAKPFNQFEEKISTGPLGDLSRGYQETLPSYAQVGAQEVEGEGPPAEEGAEPEV GEKKEEAERLTTEEQEKVAVPEGEKVETPGVDKEGEKEEPQSEKVSKQGLPAEKTP SLCPELTTDDARPLSRLSKASSRARSDDLTVTRTRPLEQKLISEEDLAANDILDYKDD

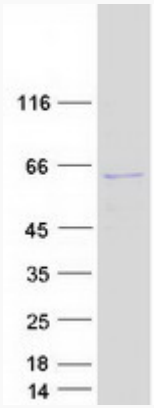
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GJA8 gap junction protein alpha 8 [Homo sapiens (human)]
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
UniProt ID	P48165
SDS-PAGE	

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