

## Product datasheet for TP313469

### GJA8 (NM\_005267) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human gap junction protein, alpha 8, 50kDa (GJA8), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213469 representing NM_005267 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGDWSFLGNILEEVNEHSTVIGRVWLTVLFIFRILILGTAAEFVWGDEQSDFCNTQQPGCENVCYDEAF PISHIRLWWLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAELGQQAGTNGGPDQGSVKKSSGSKGTTK FRLEGTLRLTYICHIIFKTLFEVGFIVGHYFLYGFRILPLYRCSRWPCPNVWDCFVSRPTEKTIFILFML SVASVSLFLNVMELGHLGLKGIRSAKRPVEQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFP LTEVGMVETSPLPAKPFNQFEEKISTGPLGLDSRGYQETLPSYAQVGAQEVEGEGPPAEEGAEPVEGEEK EEAERLTTEEQEKVAVPEGEKVVETPGVDKEGEKEEPQSEKVSQQLPAEKTPSLCPPELTTDDARPLSRLS KASSRARSDDLTV</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	48 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_005258</a></u>



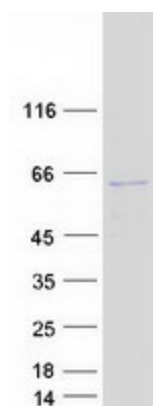
[View online »](#)

Locus ID: 2703  
UniProt ID: [P48165](#)  
RefSeq Size: 1374  
Cytogenetics: 1q21.2  
RefSeq ORF: 1299  
Synonyms: CAE; CAE1; CTRCT1; CX50; CZP1; MP70

**Summary:** 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]

**Protein Families:** Druggable Genome, Ion Channels: Other, Transmembrane

### Product images:



Coomassie blue staining of purified GJA8 protein (Cat# TP313469). The protein was produced from HEK293T cells transfected with GJA8 cDNA clone (Cat# [RC213469]) using MegaTran 2.0 (Cat# [TT210002]).