

Product datasheet for **TP313469M**

GJA8 (NM_005267) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human gap junction protein, alpha 8, 50kDa (GJA8), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC213469 representing NM_005267 Red =Cloning site Green =Tags(s) |
| | <p>MGDWSFLGNILEEVNEHSTVIGRVWLTVLFIFRILILGTAAEFVWGDEQSDFCNTQQPGCENVCYDEAF PISHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAELGQQAGTNGGPDQGSVKKSSGSKGTTK FRLEGTLLRITYICHIIFKTLFEVGFIVGHYFLYGRILPLYRCSRWPCPNVDCFVSRPTEKTIFILFML SVASVSLFLNVMELGHLGLKGIRSAKRPVEQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFP LTEVGMVETSPLPAKPFNQFEEKISTGPLGDLRGRYQETLPSYAQVGAQEVEGEGPPAEEGAPEVEGEEK EEAERLTTEEQEKVAVPEGEKVETPGVDKEGEKEEPQSEKYSKQGLPAEKTPSLCPELTDDARPLSRLS KASSRARSDDLTV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</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>NP_005258</u> |



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Locus ID: 2703

UniProt ID: [P48165](#), [X5D7G1](#)

RefSeq Size: 1374

Cytogenetics: 1q21.2

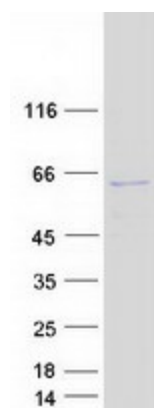
RefSeq ORF: 1299

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]).