

Product datasheet for **TP313469L**

GJA8 (NM_005267) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human gap junction protein, alpha 8, 50kDa (GJA8), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC213469 representing NM_005267

Red=Cloning site **Green**=Tags(s)

MGDWSFLGNILEEVNEHSTVIGRVWLTVLFIFRILILGTAAEFVWGDEQSDFCNTQQPGCENVCYDEAF
PISHIRLWVLQIIFVSTPSLMYVGHAVHYVRMEEKRKSREAELGQQAGTNGGPDQGSVKKSSGSKGTTK
FRLEGTLLRITYICHIIFKTLFEVGFIVGHYFLYGRILPLYRCSRWPCPNVDCFVSRPTEKTIFILFML
SVASVSLFLNVMELGHLGLKGIRSAKRPVEQPLGEIPEKSLHSIAVSSIQKAKGYQLLEEEKIVSHYFP
LTEVGMVETSPLPAKPFNQFEKISTGPLGDLRGYQETLPSYAQVGAQEVEGEGPPAEEGAPEVEGEKK
EEAERLTTEEQEKVAVPEGEKVETPGVDKEGEKEEPQSEKYSKQGLPAEKTPSLCPELTTDDARPLSRLS
KASSRARSDDLTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [NP_005258](#)



[View online »](#)

Locus ID: 2703

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

RefSeq Size: 1374

Cytogenetics: 1q21.2

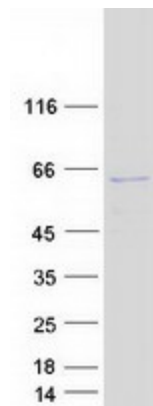
RefSeq ORF: 1299

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]).