

Product datasheet for TP307731M

OriGene Technologies, Inc.

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CLCA2 (NM_006536) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human chloride channel accessory 2 (CLCA2), 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC207731 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MTQRSIAGPICNLKFVTLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISNIKEMITEASF YLFNATKRRVFFRNIKILIPATWKANNNSKIKQESYEKANVIVTDWYGAHGDDPYTLQYRGCGKEGKYIH FTPNFLLNDNLTAGYGSRGRVFVHEWAHLRWGVFDEYNNDKPFYINGQNQIKVTRCSSDITGIFVCEKGP CPQENCIISKLFKEGCTFIYNSTQNATASIMFMQSLSSVVEFCNASTHNQEAPNLQNQMCSLRSAWDVIT DSADFHHSFPMNGTELPPPPTFSLVQAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVG IASFDSKGEIRAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFEVVEKLNGKAYGSVMILVTS GDDKLLGNCLPTVLSSGSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAFSRISSGTGDI FQQHIQLESTGENVKPHHQLKNTVTVDNTVGNDTMFLVTWQASGPPEIILFDPDGRKYYTNNFITNLTFR TASLWIPGTAKPGHWTYTLNNTHHSLQALKVTVTSRASNSAVPPATVEAFVERDSLHFPHPVMIYANVKQ GFYPILNATVTATVEPETGDPVTLRLLDDGAGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTP AHSIPGSHAMYVPGYTANGNIQMNAPRKSVGRNEEERKWGFSRVSSGGSFSVLGVPAGPHPDVFPPCKII DLEAVKVEEELTLSWTAPGEDFDQGQATSYEIRMSKSLQNIQDDFNNAILVNTSKRNPQQAGIREIFTFS PQISTNGPEHQPNGETHESHRIYVAIRAMDRNSLQSAVSNIAQAPLFIPPNSDPVPARDYLILKGVLTAM

GLIGIICLIIVVTHHTLSRKKRADKKENGTKLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 100.6 kDa

Concentration: $>0.05 \mu g/\mu L$ 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.



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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 006527

Locus ID: 9635

UniProt ID: Q9UQC9

RefSeq Size: 4043

Cytogenetics: 1p22.3 RefSeq ORF: 2829

Synonyms: CACC; CaCC-3; CACC3; CLCRG2

Summary: This gene encodes a member of the calcium-activated chloride channel regulator (CLCR) family

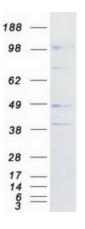
of proteins. Members of this family regulate the transport of chloride across the plasma membrane. The encoded protein is autoproteolytically processed to generate N- and C-terminal fragments. Expression of this gene is upregulated by the tumor suppressor protein p53 in response to DNA damage. In breast cancer, expression of this gene is downregulated and the encoded protein may inhibit migration and invasion while promoting mesenchymal-

to-epithelial transition in cancer cell lines. [provided by RefSeq, Sep 2016]

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

Protein Pathways: Olfactory transduction

Product images:



Coomassie blue staining of purified CLCA2 protein (Cat# [TP307731]). The protein was produced from HEK293T cells transfected with CLCA2 cDNA clone (Cat# [RC207731]) using

MegaTran 2.0 (Cat# [TT210002]).