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Product Information

MemDX™ Membrane Protein Human CLCA2 (Chloride channel accessory 2) for Antibody Discovery

Cat. No.: **MP1221J**
This product is for research use only and is not intended for diagnostic use.

This product is a 100.6 kDa Human CLCA2 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CLCA2

Protein Length
Full-length

Protein Class
Druggable Genome, Ion Channels: Other, Transmembrane

Molecular Weight
100.6 kDa

TMD
1

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

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

Purification
Anti-DDK affinity column followed by conventional chromatography steps

Purity
> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer
25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage
Store at +4°C for up to one week or several months at -80°C

Target

Target Protein
CLCA2

Full Name
Chloride channel accessory 2

Introduction
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.

Alternative Names
CACC; CaCC-3; CACC3; CLCRG2; calcium-activated chloride channel regulator 2; CLCA family member 2, chloride channel regulator; calcium-activated chloride channel protein 3; chloride channel, calcium activated, family member 2

Gene ID
9635

UniProt ID
Q9UQC9

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