

Product datasheet for PH307731

CLCA2 (NM_006536) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CLCA2 MS Standard C13 and N15-labeled recombinant protein (NP_006527)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207731
Predicted MW:	103.9 kDa
Protein Sequence:	>RC207731 protein sequence Red=Cloning site Green=Tags(s)

MTQRSIAGPICNLKFVTLVLLVALSSELPFLGAGVQLQDNGYNGLLIAINPQVPENQNLISNIKEMITEASF
YLFNATKRRVFFRNKILIPATWKANNNSKIKQESYEKANVIVTDWYGAHGDDPYTLQYRGCCKEGKYIH
FTPNFLLNDNLTAGYGSRGRVVFHEWAHLRWGVFDEYNNDKPFYINGQNQIKVTRCSSDITGIFVCEKGP
CPQENCIISKLFKEGCTFIYNSTQNATASIMFMQSLSSVVEFCNASTHNQEAPNLQNMCSLRSAWDVIT
DSADFHHSFPMNGTELPPPTFSLVQAGDKVVCLVLDVSSKMAEADRLQLQQADEFYLMQIVEIHTFVG
IASFDSKGEIRAQLHQINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGFVVEKLNKAYGSMILVTS
GDDKLLGNCLPTVLSSTIHSIALGSSAAPNLEELSRLTGGLKFFVPDISNSNSMIDAFSRISSTGDI
FQQHIQLESTGENVKPHHQLKNTVTVNDTVGNDTMFLVTWQASGPPEIILFDPDGRKYYTNNFITNLTFR
TASLWIPGTAKPGHWYTLNNTHHSLQALKVTVTSRASNSAVPPATVEAFVERDSLHFPVMIYANVKQ
GFYPILNATVTATVEPETGDPVTLRLLDDGAGADVIKNDGIYSRYFFSFAANGRYSLKVHVNHSPSISTP
AHSIPGSHAMYVPGYTANGNIQMNAPRKSVMGRNEEERKWFGRVSSGGSFVSVLGPAGPHDPVFPCKII
DLEAVKVEEELTSLWTAPGEDFDQQAATSYEIRMSKSLQNIQDDFNAILVNTSKRNPQQAGIREIFTFS
PQISTNGPEHQPNGETHESHRIYVAIRAMDRLNSQSAVSNIAQAPLFIIPNSDPVPARDYLILKGVLTAM
GLIGIICLIIVVTHHTLSRKKRADKKENGTKLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_006527](#)
RefSeq Size: 4043
RefSeq ORF: 2829
Synonyms: CACC; CaCC-3; CACC3; CLCRG2
Locus ID: 9635
UniProt ID: [Q9UQC9](#)
Cytogenetics: 1p22.3

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]).