OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP304727

CLIC2 (NM_001289) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chloride intracellular channel 2 (CLIC2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204727 protein sequence Red=Cloning site Green=Tags(s) MSGLRPGTQVDPEIELFVKAGSDGESIGNCPFCQRLFMILWLKGVKFNVTTVDMTRKPEELKDLAPGTNP PFLVYNKELKTDFIKIEEFLEQTLAPPRYPHLSPKYKESFDVGCNLFAKFSAYIKNTQKEANKNFEKSLL KEFKRLDDYLNTPLLDEIDPDSAEEPPVSRRLFLDGDQLTLADCSLLPKLNIIKVAAKKYRDFDIPAEFS GVWRYLHNAYAREEFTHTCPEDKEIENTYANVAKQKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	28.2 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
Bioactivity:	ELISA capture for autoantibodies (PMID: 28862243)
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_001280
Locus ID:	1193

View online »

UniProt ID: O15247

RefSeq Size: 2694

Cytogenetics: Xq28

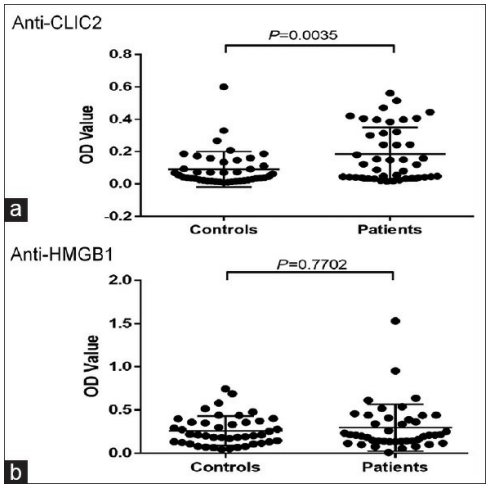
RefSeq ORF: 741

Synonyms: CLCNL2; CLIC2b; MRXS32; XAP121

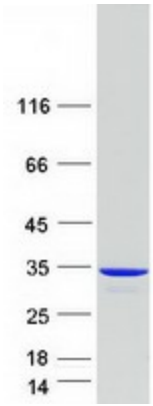
Summary: This gene encodes a chloride intracellular channel protein. Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. This protein plays a role in inhibiting the function of ryanodine receptor 2. A mutation in this gene is the cause of an X-linked form of cognitive disability. [provided by RefSeq, Jul 2017]

Protein Families: Druggable Genome, Ion Channels: Other

Product images:



Autoantibodies against chloride intracellular channel 2 (CLIC2) and high mobility group box 1 (HMGB1) in sera from systemic lupus erythematosus patients (n = 43) versus healthy controls (n = 43) were detected in ELISA assays with CLIC2 (OriGene TP304727) and HMGB1 (OriGene [TP720309]) recombinant proteins. Figure cited from J Postgrad Med, PMID: 28862243



Coomassie blue staining of purified CLIC2 protein (Cat# TP304727). The protein was produced from HEK293T cells transfected with CLIC2 cDNA clone (Cat# [RC204727]) using MegaTran 2.0 (Cat# [TT210002]).