

## Product datasheet for **TP304727L**

### CLIC2 (NM\_001289) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chloride intracellular channel 2 (CLIC2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204727 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MSGLRPGTQVDPEIELFVKAGSDGESIGNCPFCQRLFMLWLKGVKFNVTVDMTRKPEELKDLAPGTNP PFLVYNKELKTDFIKIEEFLEQTLAPPRYPHLSPKYKESFDVGCNLFKFSAYIKNTQKEANKNFEKSL KEFKRLDDYLNTPLLDEIDPDSAEEPPVSRRLFLDGDQLTLADCSLLPKLNIKVAACKYRDFDIPAEFS GVWRYLHNAYAREEFTHTCPEDKEIENTYANVAKQKS</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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: <a href="#">28862243</a> )
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:	<a href="#">NP_001280</a>
Locus ID:	1193



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UniProt ID: [O15247](#)

RefSeq Size: 2694

Cytogenetics: Xq28

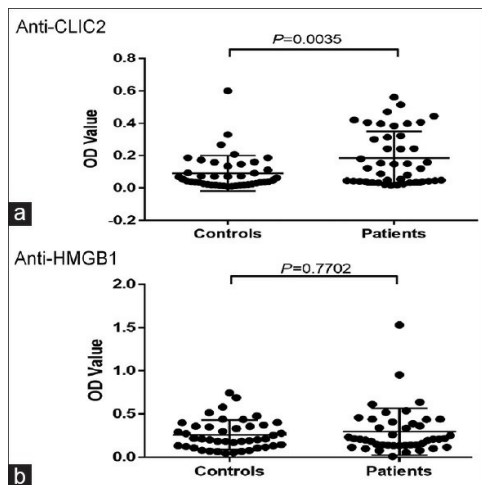
RefSeq ORF: 741

Synonyms: CLCNL2; CLIC2b; MRXS32; XAP121

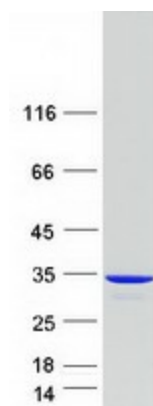
**Summary:** This gene encodes a chloride intracellular channel protein. Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell 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]).