

Recombinant Human CLIC5, His-tagged

Cat. No. CLIC5-7653H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Chloride Intracellular Channel Protein 5/CLIC5 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1Ser251) of Human CLIC5 fused with a His tag at the Cterminus.
Species	Human
Source	E.coli
Description	Chloride Intracellular Channel Protein 5 (CLIC5) is a singlepass membrane protein which belongs to the chloride channel CLIC family. It contains one GST Cterminal domain. Chloride intracellular channels are involved in chloride ion transport within various subcellular compartments. CLIC5 can insert into membranes and form selective ion channels regulated by actin that may transport chloride ions. It may play a role in the regulation of transepithelial ion absorption and secretion. CLIC5 specifically associates with the cytoskeleton of placenta microvilli. CLIC5 is required for the development and/or maintenance of the proper glomerular endothelial cell and podocyte architecture.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
AA Sequence	MGSSHHHHHH SSGLVPRGSH MTDSATANGD DRDPEIELFV KAGIDGESIG NCPFSQRLFM ILWLKGVVF NVTTVDLKRK PADLHNLAPG THPPFLTENG DVKTDVNKIE EFLEETLTPE K YPKLAAKH RESNTAGIDI FSKFSAYIKN TKQQNNAALE RGLTKALKKL DDYLNTPLE EI DANTCGE DKGSRRKFLD

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	GDELTADCN LLPKLHVVKI VAKKYRNYDI PAEMTGLWRY LKN AYARDE FTNTCAADSE
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Notes	For research use only.
Storage	Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

GENE INFORMATION

Gene Name	CLIC5 chloride intracellular channel 5 [Homo sapiens]
Official Symbol	CLIC5
Synonyms	CLIC5; chloride intracellular channel 5; chloride intracellular channel protein 5; MST130; MSTP130; FLJ90663;
Gene ID	53405
mRNA Refseq	NM_001114086
Protein Refseq	NP_001107558
MIM	607293
UniProt ID	Q9NZA1
Chromosome Location	6p12.3

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Function

protein binding; voltage-gated chloride channel activity; voltage-gated ion channel activity;

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