

Product datasheet for TP503209

Clic5 (NM_172621) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse chloride intracellular channel 5 (Clic5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203209 protein sequence Red=Cloning site Green=Tags(s)

MTDSATTNGDDRDP E I E L F V K A G I D G E S I G N C P F S Q R L F M I L W L K G V V F N V T T V D L K R K P A D L H N L A P G T
H P P F L T F N G D V K T D V N K I E E F L E E T L T P E K Y P K L A A K H R E S N T A G I D I F S K F S A Y I K N T K Q Q N N A A L E R G
L T K A L R K L D D Y L N S P L P E E I D T N T H G D E K G S Q R K F L D G D E L T L A D C N L L P K L H V V K I V A K K Y R N Y D I P A E
M T G L W R Y L K N A Y A R D E F T N T C A A D S E I E L A Y A D V A R R L S R S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	28.3 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
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 after receiving vials.
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_766209
Locus ID:	224796
UniProt ID:	Q8BXK9
RefSeq Size:	5870



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Cytogenetics: 17 B3

RefSeq ORF: 756

Synonyms: 5730531E12Rik; B330005L24; Gm322; jbg

Summary: Required for normal hearing (By similarity). It is necessary for the formation of stereocilia in the inner ear and normal development of the organ of Corti. Can insert into membranes and form poorly selective ion channels that may also transport chloride ions. May play a role in the regulation of transepithelial ion absorption and secretion. Is required for the development and/or maintenance of the proper glomerular endothelial cell and podocyte architecture (PubMed:17021174). Plays a role in formation of the lens suture in the eye, which is important for normal optical properties of the lens (PubMed:29425878).[UniProtKB/Swiss-Prot Function]