

Recombinant Mouse Ano2 Protein, His-tagged

Cat. No. Ano2-157M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ano2 Protein (Lys644-Met747) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys644-Met747
Description	Enables identical protein binding activity and intracellular calcium activated chloride channel activity. Acts upstream of or within chloride transport. Located in non-motile cilium and plasma membrane. Is expressed in dorsal root ganglion; epidermis; medulla oblongata basal plate mantle layer; olfactory epithelium; and spinal cord mantle layer. Orthologous to human ANO2 (anoctamin 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.7 kDa Accurate Molecular Mass: 16 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Ano2 anoctamin 2 [*Mus musculus* (house mouse)]

Official Symbol

Ano2

Synonyms

ANO2; anoctamin 2; anoctamin-2; transmembrane protein 16B; Tmem16b; BC033409; MGC38715

Gene ID

243634

mRNA Refseq

NM_153589

Protein Refseq

NP_705817

UniProt ID

Q8CFW1

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