Recombinant Human ANO1 Protein, His-tagged

Cat. No. ANO1-156H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANO1 Protein (Met1-Ala333) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ala333
Description	Enables calcium activated cation channel activity; intracellular calcium activated chloride channel activity; and iodide transmembrane transporter activity. Involved in cation transport; inorganic anion transport; and positive regulation of insulin secretion involved in cellular response to glucose stimulus. Located in apical plasma membrane and nucleoplasm.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.2 kDa Accurate Molecular Mass: 44 kDa
Purity	> 80%
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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	ANO1 anoctamin 1, calcium activated chloride channel [Homo sapiens (human)]
Official Symbol	ANO1
Synonyms	ANO1; anoctamin 1, calcium activated chloride channel; oral cancer overexpressed 2, ORAOV2, TMEM16A, transmembrane protein 16A; anoctamin-1; DOG1; FLJ10261; TAOS2; oral cancer overexpressed 2; tumor-amplified and overexpressed sequence 2; discovered on gastrointestinal stromal tumors protein 1; transmembrane protein 16A (eight membrane-spanning domains); ORAOV2; TMEM16A
Gene ID	55107
mRNA Refseq	NM_018043
Protein Refseq	NP_060513
MIM	610108

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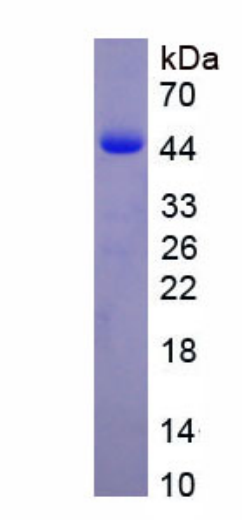
UniProt ID	Q5XXA6



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