

Product datasheet for **TP762380**

TMEM16A (ANO1) (NM_018043) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human anoctamin 1, calcium activated chloride channel (ANO1), transcript variant 1, Met1-Ala333, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region (Met1-Ala333) of ANO1
Tag:	N-His
Predicted MW:	38.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	>80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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_060513
Locus ID:	55107
UniProt ID:	Q5XXA6 , Q9NW72
Cytogenetics:	11q13.3
RefSeq ORF:	2958
Synonyms:	DOG1; ORAOV2; TAOS2; TMEM16A



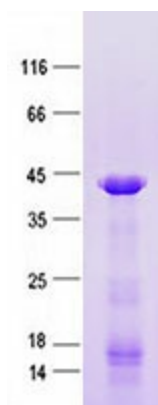
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Summary:

Calcium-activated chloride channel (CaCC) which plays a role in transepithelial anion transport and smooth muscle contraction. Required for the normal functioning of the interstitial cells of Cajal (ICCs) which generate electrical pacemaker activity in gastrointestinal smooth muscles. Acts as a major contributor to basal and stimulated chloride conductance in airway epithelial cells and plays an important role in tracheal cartilage development. [UniProtKB/Swiss-Prot Function]

Protein Families:

Transmembrane

Product images:

Purified recombinant protein ANO1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.