# Calcium-Activated Chloride Channel Regulator 1 (CLCA1) Macaca Mulatta Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Calcium-activated chloride channel regulator 1 (CLCA1), Recombinant Protein |
| **Full Product Name** | Recombinant Macaca mulatta Calcium-activated chloride channel regulator 1 (CLCA1), partial |
| **Product Gene Name** | CLCA1 recombinant protein |
| **Product Synonym Gene Name** | CLCA1 |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 100,361 Da |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q6PT52 |
| **Species** | Macaca mulatta (Rhesus macaque) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for CLCA1 recombinant protein** | This gene encodes a member of the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same region on chromosome 1p31-p22 and share a high degree of homology in size, sequence, and predicted structure, but differ significantly in their tissue distributions. The encoded protein is expressed as a precursor protein that is processed into two cell-surface-associated subunits, although the site at which the precursor is cleaved has not been precisely determined. The encoded protein may be involved in mediating calcium-activated chloride conductance in the intestine. |
| **Other Notes** | Small volumes of CLCA1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for CLCA1 purchase** | MBS1376904 is a recombinant protein targeting CLCA1. Also known as Recombinant Macaca mulatta Calcium-activated chloride channel regulator 1 (CLCA1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLCA1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 74136383 |
| **NCBI GeneID** | 574295 |
| **NCBI Accession #** | NP_001028084.1 |
| **UniProt Primary Accession #** | Q6PT52 |

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| **UniProt Related Accession #** | Q6PT52 |
| **GenBank Nucleotide #** | NM_001032912.1 |
| **NCBI Official Full Name** | calcium-activated chloride channel regulator 1 |
| **NCBI Official Symbol** | CLCA1 |
| **UniProt Protein Name** | Calcium-activated chloride channel regulator 1 |
| **UniProt Synonym Protein Names** | Calcium-activated chloride channel family member 1 |
| **Protein Family** | Calcium-activated chloride channel regulator |
| **UniProt Gene Name** | CLCA1 |
| **NCBI Protein Information** | calcium-activated chloride channel regulator 1 |
| **UniProt Comments for CLCA1** | May be involved in mediating calcium-activated chloride conductance. May play critical roles in goblet cell metaplasia, mucus hypersecretion, cystic fibrosis and AHR. May be involved in the regulation of mucus production and/or secretion by goblet cells. Involved in the regulation of tissue inflammation in the innate immune response. May play a role as a tumor suppressor. Induces MUC5AC (). |
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