Calcium-Activated Chloride Channel Regulator 1 (CLCA1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Calcium-activated chloride channel regulator 1 (Clca1), Recombinant Protein
Full Product Name	Recombinant Mouse 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	100,071 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 Q9D7Z6
Species	Mouse
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	MBS1308157 is a recombinant protein targeting Clca1. Also known as Recombinant Mouse 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.

NCBI GI #	8567336
NCBI GeneID	23844
NCBI Accession #	NP_059502.1
UniProt Primary Accession #	Q9D7Z6
UniProt Secondary Accession #	O88826; Q8R049

UniProt Related Accession #	Q9D7Z6
GenBank Nucleotide #	NM_017474.2
NCBI Official Full Name	calcium-activated chloride channel regulator 1
NCBI Official Synonym Full Names	chloride channel accessory 1
NCBI Official Symbol	Clca1
NCBI Official Synonym Symbols	gob5; Clca2; Clca3; gob-5
UniProt Protein Name	Calcium-activated chloride channel regulator 1
UniProt Synonym Protein Names	Calcium-activated chloride channel family member 3; mCLCA3; Protein gob-5
Protein Family	Calcium-activated chloride channel regulator
UniProt Gene Name	Clca1
UniProt Synonym Gene Names	Clca3; Gob5; mCLCA3
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.
Research Articles on Clca1	**1.** These findings demonstrate that 10.1.1 Ab rapidly and specifically induces proliferation and growth of Lymph Node lymphatic sinuses and stroma, suggesting a key role of mCLCA1 in coordinating Lymph Node remodeling during immune responses.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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