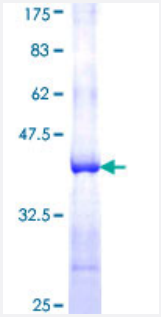
CLCA2 (Human) Recombinant Protein (Q01)

Catalog # H00009635-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CLCA2 partial ORF (NP_006527, 300 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PTFSLVQAGDKVVCLVLDVSSKMAEADRLLQLQQAAEFYLMQIVEIHTFVGIASFDSKGEIRAQLH QINSNDDRKLLVSYLPTTVSAKTDISICSGLKKGF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CLCA2

Entrez GeneID	9635
GeneBank Accession#	NM_006536
Protein Accession#	NP_006527
Gene Name	CLCA2
Gene Alias	CACC, CACC3, CLCRG2, CaCC-3, FLJ97885
Gene Description	chloride channel regulator 2
Omim ID	604003
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same site on chromosome 1p31-p22 and share high degrees of homology in size, sequence and predicted structure, but differ significantly in their tissue distributions. Since this protein is expressed predominantly in trachea and lung, it is suggested to play a role in the complex pathogenesis of cystic fibrosis. It may also serve as adhesion molecule for lung metastatic cancer cells, mediating vascular arrest and colonization, and furthermore, it has been implicated to act as a tumor suppressor gene for breast cancer. [provided by RefSeq
Other Designations	CLCA family member 2, chloride channel regulator|OTTHUMP00000011911|calcium-activated chloride channel protein 3|calcium-activated chloride channel-2|chloride channel, calcium activated, family member 2

Pathway

- Olfactory transduction

Disease

- Birth Weight
- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Leukemia
- Meningeal Neoplasms
- Meningioma