Recombinant Full Length Human CYSLTR1 Protein

Cat. No. CYSLTR1-2488HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYSLTR1 full-length ORF (NP_006630.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	337 amino acids
Description	This gene encodes a member of the G-protein coupled receptor 1 family. The encoded protein is a receptor for cysteinyl leukotrienes, and is involved in mediating bronchoconstriction via activation of a phosphatidylinositol-calcium second messenger system. Activation of the encoded receptor results in contraction and proliferation of bronchial smooth muscle cells, eosinophil migration, and damage to the mucus layer in the lung. Upregulation of this gene is associated with asthma and dysregulation may also be implicated in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Form	Liquid
Molecular Mass	38.5 kDa
AA Sequence	MDETGNLTVSSATCHDTIDDFRNQVYSTLYSMISVVGFFGNGFVLYVLIKTYHKKSAF QVYMINLAVADLLCVCTLPLRVVYYVHKGIWLFGDFLCRLSTYALYVNLYCSIFFMTA MSFFRCIAIVFPVQNINLVTQKKARFVCVGIWIFVILTSSPFLMAKPQKDEKNNTKCFE PPQDNQTKNHVLVLHYVSLFVGFIIPFVIIIVCYTMIILTLLKKSMKKNLSSHKKAIGMIM

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	VVTAAFLVSFMPYHIQRTIHLHFLHNETKPCDSVLRMQKSVVITLSLAASNCCFDPLL YFFSGGNFRKRLSTFRKHSLSSVTYVPRKKASLPEKGEEICKV
Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name	CYSLTR1 cysteinyl leukotriene receptor 1 [Homo sapiens]
Official Symbol	CYSLTR1
Synonyms	CYSLTR1; cysteinyl leukotriene receptor 1; CysLT(1); CysLT1; CYSLT1R; LTD4 receptor; G-protein coupled receptor HG55; cysteinyl leukotriene D4 receptor; HG55; CYSLT1; CYSLTR; HMTMF81; MGC46139;
Gene ID	10800
mRNA Refseq	NM_006639
Protein Refseq	NP_006630

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MIM	300201
UniProt ID	Q9Y271

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