

Datasheet for ABIN7546634
CysLTR1 Protein (AA 1-337) (His tag)



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Overview

Quantity:	1 mg
Target:	CysLTR1 (CYSLTR1)
Protein Characteristics:	AA 1-337
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CysLTR1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CYSLTR1 Protein expressed in mammalian cells.
Sequence:	MDETGNLTVS SATCHDTIDD FRNQVYSTLY SMISVVGFFG NGFVLYVLIK TYHKKSAFQV YMINLAVADL LCVCTLPLRV VYYVHKGWL FGDFLCRLST YALYVNLVCS IFFMTAMSFF RCIAIVFPVQ NINLVTQKKA RFVCVGIWIF VILTSSPFLM AKPQKDEKNN TKCFEPPQDN QTKNHVLVLH YVSLFVGFII PFVIIIVCYT MIILTLLKKS MKKNLSSHKK AIGMIMVVTA AFLVSFMPYH IQRTIHLHFL HNETKPCDSV LRMQKSVVIT LSLAASNCCF DPLLYFFSGG NFRKRLSTFR KHSLSVTVYV PRKKASLPEK GEEICKV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	CysLTR1 (CYSLTR1)
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Alternative Name:	CYSLTR1 (CYSLTR1 Products)
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Background:	Cysteinyl leukotriene receptor 1 (CysLTR1) (Cysteinyl leukotriene D4 receptor) (LTD4 receptor) (G-protein coupled receptor HG55) (HMTMF81),FUNCTION: Receptor for cysteinyl leukotrienes mediating bronchoconstriction of individuals with and without asthma. Stimulation by LTD4 results in the contraction and proliferation of smooth muscle, edema, eosinophil migration and damage to the mucus layer in the lung. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the leukotrienes is LTD4 >> LTE4 = LTC4 >> LTB4.
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Molecular Weight:	38.5 kDa
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UniProt:	Q9Y271
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a
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Application Details

guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months