

Datasheet for ABIN7549211

Leukotriene B4 Receptor/BLT Protein (AA 1-352) (His tag)



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Overview

Quantity:	1 mg
Target:	Leukotriene B4 Receptor/BLT (LTB4R)
Protein Characteristics:	AA 1-352
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Leukotriene B4 Receptor/BLT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LTB4R Protein expressed in mammalian cells.
Sequence:	<p>MNTTSSAAPP SLGVEFISLL AIILLSVALA VGLPGNSFVV WSILKRMQKR SVTALMVLNL</p> <p>ALADLAVLLT APFFLHFLAQ GTWSFGLAGC RLCHYVCGVS MYASVLLITA MSLDRSLAVA</p> <p>RPFVSQKLRT KAMARRVLG IWVLSFLLAT PVLAYRTVVP WKTNMSLCFP RYPSEGHRAF</p> <p>HLIFEAVTGF LLPFLAVVAS YSDIGRRLQA RRFRRSRRTG RLVVLIILTF AAFWLPHYHV</p> <p>NLAEAGRALA GQAAGLGLVG KRLSLARNVL IALAFSSSV NPVLYACAGG GLLRSAGVGF</p> <p>VAKLLEGTGS EASSTRGGS LGQTARSGPA ALEPGPSESL TASSPLKLE LN 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Leukotriene B4 Receptor/BLT (LTB4R)
Alternative Name:	LTB4R (LTB4R Products)
Background:	Leukotriene B4 receptor 1 (LTB4-R 1) (LTB4-R1) (Chemoattractant receptor-like 1) (G-protein coupled receptor 16) (P2Y purinoceptor 7) (P2Y7),FUNCTION: Receptor for extracellular ATP > UTP and ADP. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. May be the cardiac P2Y receptor involved in the regulation of cardiac muscle contraction through modulation of L-type calcium currents. Is a receptor for leukotriene B4, a potent chemoattractant involved in inflammation and immune response.
Molecular Weight:	37.6 kDa
UniProt:	Q15722

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

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