

Datasheet for ABIN7555465
SIGIRR Protein (AA 1-410) (His tag)



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Overview

Quantity:	1 mg
Target:	SIGIRR
Protein Characteristics:	AA 1-410
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGIRR protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SIGIRR Protein expressed in mammalian cells.
Sequence:	<p>MPGVCDRAPD FLSPSEDQVL RPALGSSVAL NCTAWVVSGP HCSLPSVQWL KDGLPLGIGG</p> <p>HYSLHEYSWV KANLSEVLVS SVLGVNVTST EVYGAFTCSI QNISFSSFTL QRAGPTSHVA</p> <p>AVLASLLVLL ALLLAALLYV KCRLNVLLWY QDAYGEVEIN DGKLYDAYVS YSDCPEDRKF</p> <p>VNFILKPQLE RRRGYKLFLD DRDLLPRAEP SADLLVNLSR CRRLIVVLSL AFLSRAWCSH</p> <p>SFREGLCRLL ELTRRPFIT FEGQRRDPAH PALRLLRQHR HLVTLLLWRP GSVTPSSDFW</p> <p>KEVQLALPRK VQYRPVEGDP QTQLQDDKDP MLILRGRVPE GRALDSEVDP DPEGDLGVRG</p> <p>PVFGEPSAPP HTSGVSLGES RSSEVDVSDL GSRNYSARTD FYCLVSKDDM 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.

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	SIGIRR
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Alternative Name:	SIGIRR (SIGIRR Products)
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Background:	<p>Single Ig IL-1-related receptor (Single Ig IL-1R-related molecule) (Single immunoglobulin domain-containing IL1R-related protein) (Toll/interleukin-1 receptor 8) (TIR8),FUNCTION: Acts as a negative regulator of the Toll-like and IL-1R receptor signaling pathways. Attenuates the recruitment of receptor-proximal signaling components to the TLR4 receptor, probably through an TIR-TIR domain interaction with TLR4. Through its extracellular domain interferes with the heterodimerization of IL1R1 and IL1RAP. {ECO:0000269 PubMed:12925853, ECO:0000269 PubMed:14715412, ECO:0000269 PubMed:15866876, ECO:0000269 PubMed:25963006}.</p>
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Molecular Weight:	45.7 kDa
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UniProt:	Q6IA17
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Pathways:	Toll-Like Receptors Cascades
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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.
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