Datasheet for ABIN7551147

Retinoic Acid Receptor beta Protein (AA 1-455) (His tag)

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Overview

Quantity:	1 mg
Target:	Retinoic Acid Receptor beta (RARB)
Protein Characteristics:	AA 1-455
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Retinoic Acid Receptor beta protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RARB Protein expressed in mammalien cells.
Sequence:	MTTSGHACPV PAVNGHMTHY PATPYPLLFP PVIGGLSLPP LHGLHGHPPP SGCSTPSPAT IETQSTSSEE LVPSPPSPLP PPRVYKPCFV CQDKSSGYHY GVSACEGCKG FFRRSIQKNM IYTCHRDKNC VINKVTRNRC QYCRLQKCFE VGMSKESVRN DRNKKKKETS KQECTESYEM TAELDDLTEK IRKAHQETFP SLCQLGKYTT NSSADHRVRL DLGLWDKFSE LATKCIIKIV EFAKRLPGFT GLTIADQITL LKAACLDILI LRICTRYTPE QDTMTFSDGL TLNRTQMHNA GFGPLTDLVF TFANQLLPLE MDDTETGLLS AICLICGDRQ DLEEPTKVDK LQEPLLEALK IYIRKRRPSK PHMFPKILMK ITDLRSISAK GAERVITLKM EIPGSMPPLI QEMLENSEGH EPLTPSSSGN TAEHSPSISP SSVENSGVSQ SPLVQ **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.**

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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
Grade:	custom-made

Target Details

Target:	Retinoic Acid Receptor beta (RARB)
Alternative Name:	RARB (RARB Products)
Background:	Retinoic acid receptor beta (RAR-beta) (HBV-activated protein) (Nuclear receptor subfamily 1 group B member 2) (RAR-epsilon),FUNCTION: Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RXR/RAR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence or presence of hormone ligand, acts mainly as an activator of gene expression due to weak binding to corepressors (PubMed:12554770). The RXRA/RARB heterodimer can act as a repressor on the DR1 element and as an activator on the DR5 element (PubMed:29021580). In concert with RARG, required for skeletal growth, matrix homeostasis and growth plate function (By similarity). {ECO:0000250|UniProtKB:P22605, ECO:0000269|PubMed:12554770, ECO:0000269|PubMed:29021580}.
Molecular Weight:	50.5 kDa

Target Details

UniProt:	P10826
Pathways:	Nuclear Receptor Transcription Pathway, Retinoic Acid Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway

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 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