

Datasheet for ABIN7547355

ESRRA Protein (AA 1-423) (His tag)



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Overview

Quantity:	1 mg
Target:	ESRRA
Protein Characteristics:	AA 1-423
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESRRA protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ESRRA Protein expressed in mammalian cells.
Sequence:	<p>MSSQVVGIEP LYIKAEPASP DSPKGSSETE TEPPVALAPG PAPTRCLPGH KEEEDGEGAG PGEQGGGKLV LSSLPKRLCL VCGDVASGYH YGVASCEACK AFFKRTIQGS IEYSCPASNE CEITKRRRKA CQACRFTKCL RVGMLKEGVR LDRVRRGRQK YKRRPEVDPL PFPGPFPAGP LAVAGGPRKT AAPVNALVSH LLVVEPEKLY AMPDPAGPDG HLPVATLCD LFDREIVVTI SWAKSIPGFS SLSLSDQMSV LQSVWMEVLV LGVAQRSLPL QDELAFAEDL VLDEEGARAA GLGELGAALL QLVRRQLALR LEREEVLLK ALALANSDSV HIEDAEAVEQ LREALHEALL EYEAGRAGPG GGAERRRAGR LLLTLPLLRQ TAGKVLAHFY GVKLEGKVPM HKLFLEMLEA MMD</p> <p>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:	ESRRA
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Alternative Name:	ESRRA (ESRRA Products)
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Background:	<p>Steroid hormone receptor ERR1 (Estrogen receptor-like 1) (Estrogen-related receptor alpha) (ERR-alpha) (Nuclear receptor subfamily 3 group B member 1),FUNCTION: Binds to an ERR-alpha response element (ERRE) containing a single consensus half-site, 5'-TNAAGGTCA-3'. Can bind to the medium-chain acyl coenzyme A dehydrogenase (MCAD) response element NRRE-1 and may act as an important regulator of MCAD promoter. Binds to the C1 region of the lactoferrin gene promoter. Requires dimerization and the coactivator, PGC-1A, for full activity. The ERRalpha/PGC1alpha complex is a regulator of energy metabolism. Induces the expression of PERM1 in the skeletal muscle. {ECO:0000269 PubMed:12522104, ECO:0000269 PubMed:16150865, ECO:0000269 PubMed:17676930, ECO:0000269 PubMed:18063693, ECO:0000269 PubMed:23836911, ECO:0000269 PubMed:9271417}.</p>
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Molecular Weight:	45.5 kDa
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UniProt:	P11474
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Target Details

Pathways:	Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway , Regulation of Lipid Metabolism by PPARalpha
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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