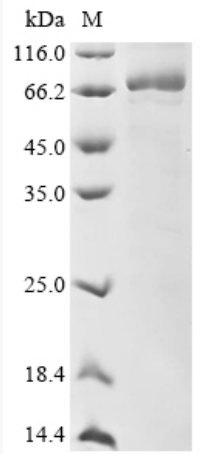


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Datasheet

Product Name	Recombinant Human Steroid hormone receptor ERR1(ESRRA)
Catalog Number	AAA18428
Expression host	<i>E.coli</i>
Product Info	N-terminal GST-tagged
Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0. The volume before lyophilization is 1000µg/vial.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	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.
AA sequence	MSSQVVGIEPLYIKAEPASPDSPKGSSETETETPPVALAPGPAPTRCLPGHKEEEDG EGAGPGEQGGGKLVLSLPKRLCLVCGDVASGYHYGVASCEACKAFFKRTIQG SIEYSCPASNECEITKRRRKACQACRFTKCLRVGMLKEGVRLDRVRGGRQKYK RRPEVDPLPFPGPFPAGPLAVAGGPRKTAAPVNALVSHLLVVEPEKLYAMPDPA GPDGHLPAVATLCDLFDREIVVTISWAKSIPGFSSLSLSDQMSVLQSVWMEVLV LGVAQRSPLQDELAFAEDLVLDEEGARAAGLGELGAALLQLVRRLQALRLER EEYVLLKALALANSDSVHIEDAEAVEQLREALHEALLEYEAGRAGPGGGAERR RAGRLLLTLP LLRQTAGKVL AHFYGVKLEGKVP MHKLFLEMLEAMMD

Certificate of Analysis

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Expression host	<i>E.coli</i>	
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Buffer	Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0. The volume before lyophilization is 1000µg/vial.	
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.	
Batch Number	DA05090b1g0	
Nature	Human ESRRA-(AA 1-423)- P11474 -Full Length	
Purification	Affinity purified using AC	
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt
	Long term	-20 to -80 °C, twelve months from the date of receipt
Form	Lyophilized powder	
Date of detection	2023.01.11	
Test Items	Specifications	Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.	
Molecular Weight	Predicted band size: 72.5 kDa	
		Observed band size: 73 kDa

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Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Aseptic Processing	Not done
Endotoxin Level	Untreated
Activity	Not tested
Conclusion	pass