



# Recombinant Human Steroid hormone receptor ERR1 (ESRRA)

<b>Product Code</b>	CSB-EP007834HU
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Human ESRRA protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P11474
<b>Alias</b>	Estrogen receptor-like 1 Estrogen-related receptor alpha
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSSQVVGIEPLYIKAEPASPDSPKGSSETETETPPVALAPGPAPTRCLPGHKEE EDGEGAGPGEQGGGKLVLSLPPKRLCLVCGDVASGYHYGVASCEACKAFFK RTIQGSIEYSCPASNECEITKRRRKACQACRFTKCLRVMGMLKEGVRLDRVRRG RQKYKRRPEVDPLPFPFPAGPLAVAGGPRKTAAPVNALVSHLLVVEPEKLY AMPDPAGPDGHLPAVATLCDLFDREIVVTISWAKSIPGFSSLSLSDQMSVLQSV WMEVLVLGVAQRSLPLQDELAFAEDLVLDEEGARAAGLGELGAALLQLVRRRL QALRLEREEYVLLKALALANSDSVHIEDAEAVEQLREALHEALLEYEAGRAGPG GGAERRRAGRLLLLTLPLLRQTAGKVLAHFYGVKLEGKVPMHKLFLEMLEAMM D
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	ESRRA
<b>Protein Names</b>	Recommended name: Steroid hormone receptor ERR1 Alternative name(s): Estrogen receptor-like 1 Estrogen-related receptor alpha Short name= ERR-alpha Nuclear receptor subfamily 3 group B member 1
<b>Expression Region</b>	1-423aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

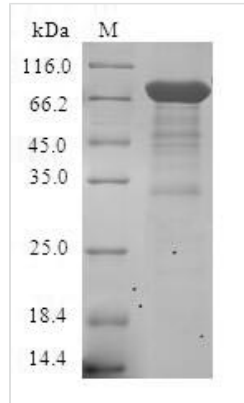


**Tag Info** N-terminal GST-tagged

**Mol. Weight** 72.5kDa

**Protein Length** Full Length

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**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.

**Shelf Life**

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