



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### ESR1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002099-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ESR1 full-length ORF (AAI28574.1, 1 a.a. - 595 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTMTLHTKASGMALLHQIQGNELEPLNRPQLKIPLERP  
LGEVYLDSSKPAVYNYPEGAAYEFNAAAAANAQVYGG  
TGLPYGPGSEAAAFSGNGLGGFPPLNSVSPSPLMLLH  
PPPQLSPFLQPHGQQVPYYLENESGYTVREAGPPAF  
YRPNSDNRRQGGRELRASNDKSGMAMESAKETRY  
CAVCNDYASGYHYGVWSCEGCKAFFKRSIQGHNDYM  
CPATNQCTIDKNRRKSCQACRLRKCYEVGMMKGGIR  
KDRRGGMLKHKRQRDDGEGRGEVGSAGDMRAANL  
WPSPLMIKRSKKNLALSALTADQMVSALLDAEPPILYS  
EYDPTRPFSEASMMGLLTNLADRELVHMINWAKRVPG  
FVDLTLHDQVHLLCAWLEILMIGLVWRSMEHPGKLLF  
APNLLDRNQGKCVEGMVEIFDMLLATSSRFMMNLQ  
GEEFVCLKSIILLNSGVYTFLSSTLKSLEEKDHIHRVLDK  
ITDTLIHLMKAGLTLQQHQRLAQLLLILSHIRHMSNK  
GMEHLYSMKCKNVVPLYDLLLEMLDAHRLHAPTSRGG  
ASVEETDQSHLATAGSTSSHSLQKYYITGEAEGFPATV

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 92.6

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2099

**Gene Symbol:** ESR1

**Gene Alias:** DKFZp686N23123, ER, ESR, ESRA, Era, NR3A1

**Gene Summary:** This gene encodes an estrogen receptor, a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. The protein localizes to the nucleus where it may form a homodimer or a heterodimer with estrogen receptor 2. Estrogen and its receptors are essential for sexual development and reproductive function, but also play a role in other tissues such as bone. Estrogen receptors are also involved in pathological processes including breast cancer, endometrial cancer, and osteoporosis. Alternative splicing results in several transcript variants, which differ in their 5' UTRs and use different promoters. [provided by RefSeq]