



# 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

### ESR2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002100-P01

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

**Product Description:** Human ESR2 full-length ORF (AAH24181, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MDIKNSPSSLNSPSSYNCSQSILPLEHGSIYIPSSYVDS  
HHEYPMATFYSPAVMNYSIPSNVTNLEGGPGRQTTSP  
NVLWPTPGHLSPLVHRQLSHLYAEPQKSPRCEARSL  
EHTLPVNRETLKRKVSNGRCASPVTPGSKRDAHFCA  
VCSYASGYHYGVWSCEGCKAFFKRSIQGHNDYICPA  
TNQCTIDKNRRKSCQACRLRKCYEVMVKCGSRER  
CGYRLVRRQRSADQLHCAGKAKRSGGHAPRVRELL  
LDALSPEQLVLTLLAEPPHVLISRPSAPFTEASMMMS  
LTKLADKELVHMISWAKKIPGMRGNA

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

**Theoretical MW (kDa):** 61.27

**Interspecies Antigen Sequence:** Mouse (87)

**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:** 2100

**Gene Symbol:** ESR2

**Gene Alias:** ER-BETA, ESR-BETA, ESRB, ESTRB, Erb, NR3A2

**Gene Summary:** This gene encodes a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. The gene product contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, the encoded protein forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Some isoforms dominantly inhibit the activity of other estrogen receptor family members. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been fully characterized. [provided by RefSeq]

**References:**

1. GR and LSD1/KDM1A-Targeted Gene Activation Requires Selective H3K4me2 Demethylation at Enhancers. Clark EA, Wu F, Chen Y, Kang P, Kaiser UB, Fang R, Shi YG. Cell Rep. 2019 Jun 18;27(12):3522-3532.e3. doi: 10.1016/j.celrep.2019.05.062.
2. A Fragment of Adhesion Molecule L1 Binds to Nuclear Receptors to Regulate Synaptic Plasticity and Motor Coordination. Kraus K, Kleene R, Henis M, Braren I, Kataria H, Sharaf A, Loers G, Schachner M, Lutz D. Mol Neurobiol. 2018 Jan 30. [Epub ahead of print]