



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### AHR (Human) Recombinant Protein (P01)

**Catalog Number:** H00000196-P01

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

**Product Description:** Human AHR full-length ORF (AAH69390.1, 1 a.a. - 848 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MNSSSANITYASRKRKRPVQKTVKPIAEGIKSNPSKR  
HRDRLNTELDRLASLLPFPQDVINKLDKLSVLRLSVSYL  
RAKSFVDVALKSSPTERNGGQDNCRAANFREGLNLQ  
EGEFLQALNGFVLVTTDALVFYASSTIQDYLGFGQS  
DVIHQSVYELIHTEDEAEFQRQLHWALNPSQCTESGQ  
GIEEATGLPQTVVCYNPDQIPPENSPLMERCFCRLRC  
LLDNSSGFLAMNFQGKLYLHGQKKKGKDGSIPLPQL  
ALFAIATPLQPPSILEIRTKNFIFRTKHKLDFTPIGCDAK  
GRIVLGYTEAELCTRGSYQFIHAADMLYCAESHIRMI  
KTGESGMIVFRLTKNNRWTWVQSNARLLYKNGRPD  
YIIVTQRPLTDEEGTEHLRKRNTKLPFMFTTGEAVLYEA  
TNPFPAMDPLPLRTKNGTSGKDSATTSTLSKDSLNSP  
SLLAAMMQQDESIYLPASSTSSTAPFENFFNESMN  
ECRNWQDNTAPMGNDTILKHEQIDQPQDVNSFAGGH  
PGLFQDSKNSDLYSIMKNLGDIFEDIRHMQNEKFFRND  
FSGEVDFRDIDLTDDEILTYVQDLSKSPFIPSDYQQQQ  
SLALNSSCMVQEHLHLEQQQHQHQKVVVEPQQQLC  
QKMKHMVQVNGMFENWNSNQFVPFNCPPQDPQQYN  
VFTDLHGISEQFPYKSEMDSPYQNFISCNQPVLQP  
HSKCTELDYPMGSEFSPYPTTSSLEDFVTCLQLPEN  
QKHGLNPQSAIITPQTCYAGAVSMYQCQPEPQHHTVHG  
QMQYNPVLPGQAFLNKFQNGVLNETYPaelnNINNT  
QTTTHLQPLHHPSEARPPDLTSSGFL

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

**Theoretical MW (kDa):** 122.5

**Interspecies Antigen Sequence:** Mouse (72)

**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:** 196

**Gene Symbol:** AHR

**Gene Alias:** bHLHe76

**Gene Summary:** This gene encodes a ligand-activated transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Its ligands included a variety of aromatic hydrocarbons. [provided by RefSeq]

**References:**

1. GLK-IKK? signaling induces dimerization and translocation of the AhR-ROR?t complex in IL-17A induction and autoimmune disease. Chuang HC, Tsai CY, Hsueh CH, Tan TH. Sci Adv. 2018 Sep 12;4(9):eaat5401.
2. Aryl Hydrocarbon Receptor in Breast Cancer-A Newly Defined Prognostic Marker. Saito R, Miki Y, Hata S, Takagi K, Iida S, Oba Y, Ono K, Ishida T, Suzuki T, Ohuchi N, Sasano H Horm Cancer. 2013 Sep 28.
3. Coal tar induces AHR-dependent skin barrier repair in atopic dermatitis. van den Bogaard EH, Bergboer JG, Vonk-Bergers M, van Vlijmen-Willems IM, Hato SV, van der Valk PG, Schroder JM, Joosten I, Zeeuwen PL, Schalkwijk J J Clin Invest. 2013 Jan 25. pii: 65642. doi: 10.1172/JCI65642.