



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### FKBP4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002288-P01

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

**Product Description:** Human FKBP4 full-length ORF (AAH07924.1, 1 a.a. - 459 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTAEEMKATESGAQSAPLMEGVDISPKQDEGVLKVI  
KREGTGTEMPMIGDRVHVHYTGWLLDGTKFDSSLDR  
KDKFSFDLGKGEVIKAWDIAIATMKVGEVCHITCKPEY  
AYGSAGSPPKIPPNATLVFEVELFEFKGEDLTEEEDGG  
IIRRIQTRGEGYAKPNEGAIVEVALEGGYKDKLFDQREL  
RFEIGEGENLDLPYGLERAIQRMEKGEHSIVYLKPSYA  
FGSVGKEKFQIPPNALKYELHLKSFKAKESWEMNS  
EEKLEQSTIVKERGTVYFKEGKYQALLQYKKIVSWLE  
YESSFSNEEAQKAQALRLASHNLAMCHLKLQAFSAAI  
ESCNKALELDSNNEKGLFRRGEAHLAVNDFELARADF  
QKVLQLYPNNKAAKTQLAVCQQRIRRLAREKKLYAN  
MFERLAEENKAKAEASSGDHPTDTEMKEEQKSNTA  
GSQSQVETEA

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

**Theoretical MW (kDa):** 76.12

**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:** 2288

**Gene Symbol:** FKBP4

**Gene Alias:** FKBP52, FKBP59, HBI, Hsp56, PPIase, p52

**Gene Summary:** The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It has high structural and functional similarity to FK506-binding protein 1A (FKBP1A), but unlike FKBP1A, this protein does not have immunosuppressant activity when complexed with FK506. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. This encoded protein is known to associate with phytanoyl-CoA alpha-hydroxylase. It can also associate with two heat shock proteins (hsp90 and hsp70) and thus may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. This protein correlates strongly with adeno-associated virus type 2 vectors (AAV) resulting in a significant increase in AAV-mediated transgene expression in human cell lines. Thus this encoded protein is thought to have important implications for the optimal use of AAV vectors in human gene therapy. The human genome contains several non-transcribed pseudogenes similar to this gene. [provided by RefSeq]

**References:**

1. Macrocycles that inhibit the binding between heat shock protein 90 and TPR-containing proteins. Ardi V, Alexander LD, Johnson VA, McAlpine SR. ACS Chem Biol. 2011 Sep 27.