



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PILRB (Human) Recombinant Protein (P01)

**Catalog Number:** H00029990-P01

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

**Product Description:** Human PILRB full-length ORF (AAH50547, 1 a.a. - 227 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGRPLLLPLLLLLQPPAFLQPGGSTGSGPSYLYGVVQ  
PKHLSASMGGVEIPFSFYYPWELAIVPNVRISWRRG  
HFHGQSFYSTRPPSIHKDYVNRLFLNWTEGQESGFLR  
ISNLRKEDQSVYFCRVELDTRRSRQQLQSIKGTKLTI  
TQAVTTTTTWRPSSTTTIAGLRVTESKGHSESWHLSL  
DTAIRVALAVAVLKTIVILGLLCLLLLWRRRRKGSRAPSSDF

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

**Theoretical MW (kDa):** 50.71

**Interspecies Antigen Sequence:** Mouse (38); Rat (47)

**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:** 29990

**Gene Symbol:** PILRB

**Gene Alias:** FDFACT1, FDFACT2

**Gene Summary:** Cell signaling pathways rely on a dynamic interaction between activating and inhibiting processes. SHP-1-mediated dephosphorylation of protein tyrosine residues is central to the regulation of several cell signaling pathways. Two types of inhibitory receptor superfamily members are immunoreceptor tyrosine-based inhibitory motif (ITIM)-bearing receptors and their non-ITIM-bearing, activating counterparts. Control of cell signaling via SHP-1 is thought to occur through a balance between PILRalpha-mediated inhibition and PILRbeta-mediated activation. These paired immunoglobulin-like receptor genes are located in a tandem head-to-tail orientation on chromosome 7. This particular gene encodes the non-ITIM-bearing member of the receptor pair, which has a truncated cytoplasmic tail relative to its ITIM-bearing partner and functions in the activating role. Alternative splicing has been observed at this locus and three variants, encoding two distinct isoforms, are described. Additional transcript variants have been identified but their full-length nature has not been determined. [provided by RefSeq]