



# 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

### ENPP1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005167-P01

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

**Product Description:** Human ENPP1 full-length ORF ( NP\_006199.1, 1 a.a. - 873 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MDVGEEPLEKAARARTAKDPNTYKVLVLSVLCVLT  
LGCIFGLKPSCAKEVKSCGRCFERTFGNCRCAACV  
ELGNCCLDYQETCIEPEHIWTCNKFRCGEKRLTRSLC  
ACSDCKDKGDCCINYSSVCQGEKSWVEEPCESINEP  
QCPAGFETPPTLLFSLDGFRAEYLHTWGGLLPVISKLK  
KCGTYTKNMRPVYPTKTFPNHYSIVTGLYPESHGIIDN  
KMYDPKMNASFSLKSKEKFNPEWYKGEPIWVTAKYQ  
GLKSGTFFWPGSDVEINGIFPDIYKMYNGSVPFEERIL  
AVLQWLQLPKDERPHFYTLYLEEPDSSGHSYGPVSSE  
VIKALQRVDGMVGMMLMDGLKELNLHRCLNLILISDHGM  
EQGSKKYIYLNKYLGDVKNIKVIYGPAARLRPSDVPD  
KYYSFNIEGIARNLSCREPNQHFKPYLKHFLPKRLHFA  
KSDRIEPLTFYLDPQWQLALNPSEKRYCGSGFHGSDN  
VFSNMQUALFVGYGPGFKHGIEADTFENIEVYNLMCDLL  
NLTPAPNNGTHGSLNHLKNPVYTPKHPKEVHPLVQC  
PFTRNPRDNLGCSCNPSILPIEDFQTQFNLTVAEEKIHK  
HETLPYGRPRVLQKENTICLLSQHQFMSGYSQDILMPL  
WTSYTVDRNDSFSTEDFSNCLYQDFRIPLSPVHKCSF  
YKNNTKVSYGFLSPPQLNKNSSGIYSEALLTTNIVPMY  
QSFQVIWRYFHDTLRLKYAEERNGVNVVSGPVDFDY  
DGRCDLENLRQRRVIRNQEILIPHTFFIVLTSCKDTS  
QTPLHCENLDTLAFILPHRTDNSESCVHGKHDSSWVE  
ELMLHRARITDVEHITGLSFYQQRKEPVSILKCLKTHL  
PTFSQED

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

**Theoretical MW (kDa):** 126.3

**Interspecies Antigen Sequence:** Mouse (81); Rat (80)

**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:** 5167

**Gene Symbol:** ENPP1

**Gene Alias:** M6S1, NPP1, NPPS, PC-1, PCA1, PDNP1

**Gene Summary:** This gene is a member of the ecto-nucleotide pyrophosphatase/phosphodiesterase (ENPP) family. The encoded protein is a type II transmembrane glycoprotein comprising two identical disulfide-bonded subunits. This protein has broad specificity and cleaves a variety of substrates, including phosphodiester bonds of nucleotides and nucleotide sugars and pyrophosphate bonds of nucleotides and nucleotide sugars. This protein may function to hydrolyze nucleoside 5' triphosphates to their corresponding monophosphates and may also hydrolyze diadenosine polyphosphates. Mutations in this gene have been associated with 'idiopathic' infantile arterial calcification, ossification of the posterior longitudinal ligament of the spine (OPLL), and insulin resistance. [provided by RefSeq]