

PRODUCT DATASHEET

ENPP1 Protein Mouse HEK293

Cat. No.: RD275597100

Type: Recombinant protein

Size: 0.1 mg

Source: HEK293

Species: Mouse

Description

Total 828 AA. MW 95.2 kDa (calculated). UniProtKB acc. no. P06802 (Lys85-Glu906). C-terminal his-tag (6 extra AA). Protein identity confirmed by LC-MS/MS.

Other names

Ectonucleotide pyrophosphatase/phosphodiesterase family member 1, E-NPP 1, Membrane component chromosome 6 surface marker 1, Phosphodiesterase I/nucleotide pyrophosphatase 1, NPP-1, Plasma-cell membrane glycoprotein, PC-1

Introduction to the molecule

Research topic

Animal studies, Bone and cartilage metabolism, Diabetology - Other Relevant Products, Energy metabolism and body weight regulation

Amino Acid sequence

KEVKCKGRC FERTFSNCR DAACVSLGNC CLDFQETCVE PTHIWTCKNF RCGEKRLSRF VCSCADDCKT HNDCCINYSS
VCQDKKSWVE ETCESIDTPE CPAEFESPT LLFSLDGFR EYLHTWGGL PVISKLKNCG TYTKNMRPMY PTKTFPNHYS
IVTGLYPESH GIIDNKMYDP KMNASFSLKS KEKFNPLWYK GQPIWVTANH QEVKSGTYFW PGSDVEIDGI LPDIYKVYNG
SVPFEERILA VLEWLQLPSH ERPHFYTLYL EEPDSSGSHS GPVSSEVIKA LQKVDRVLVGM LMDGLKDLGL DKCLNLILIS
DHGMEQGSCK KYVYLNKYL DVNNVKVYV PAARLRPTDV PETYYSFNYE ALAKNLSCRE PNQHFRLPYLK PFLPKRLHFA
KSDRIEPLTF YLDPQWQLAL NPSEKCYCGS GFHGSDNLFS NMQALFIGYG PAFKHGAEDV SFENIEVYNL MCDLLGLIPA
PNNGSHGSLN HLLKKPIYNP SHPKEEGFLS QCPIKSTSND LGCTCDPWIV PIKDFEKQLN LTTEVDVDIY HMTVPYGRPR
ILLKQHHVCL LQQQQFLTGY SLDLLMPLWA SYTFLRNDQF SRDDFSNCLY QDLRIPLSPV HKCSYYKSNS KLSYGFLTPP
RLNRVSNHYI SEALLTSNIV PMYQSFQVIW HYLHDTLLQR YAHERNGINV VSGPVDFDY DGRYDSLEIL KQNSRVIRSQ
EILIPTHFFI VLTCKQLSE TPLECSALES SAYILPHRPD NIESCTHGKR ESSWVEELLT LHRARVTDVE LITGLSFYQD
RQESVSELLR LKTHLPFSQ EDHHHHHHH

Purity

Purity as determined by densitometric image analysis: > 95%

Endotoxin

< 0.1 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, pH 7.5.

Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store protein at -80°C . Protein remains stable until the expiry date when stored at -80°C . Avoid repeated freezing/thawing cycles. The thawed protein can be stored at 4°C for three days.

Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

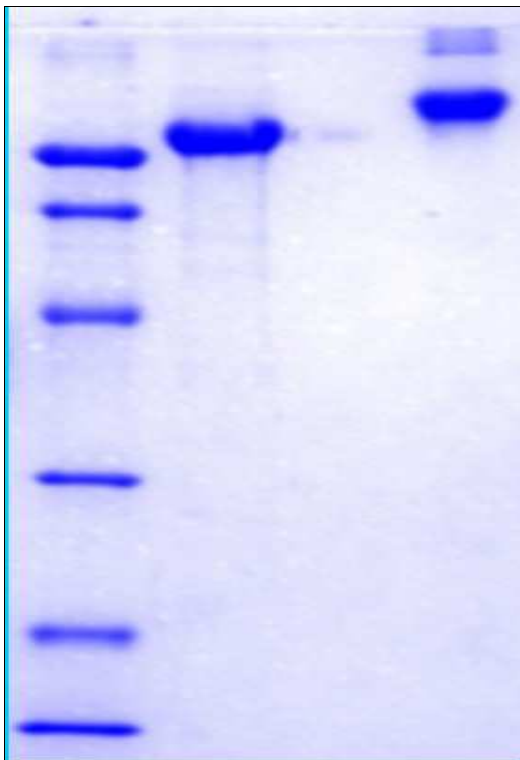
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



12 % SDS-PAGE separation of Mouse ENPP1:

1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane