Recombinant Rat Enpp1 protein, His & GST-tagged

Cat. No. Enpp1-1416R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Enpp1 aa. (Glu568~Ile793 (Accession # Q924C3) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Glu568~Ile793
Description	Mutation of the human homolog is detected in patients with idiopathic infantile arterial calcification.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.2kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

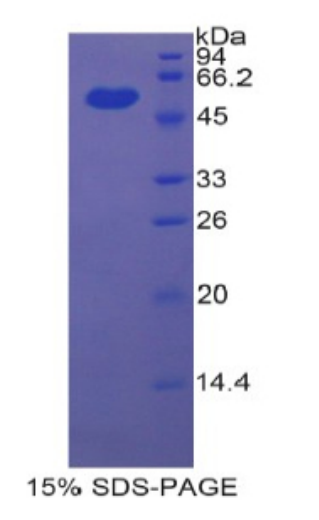
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Enpp1 ectonucleotide pyrophosphatase/phosphodiesterase 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Enpp1
Synonyms	Enpp1; ectonucleotide pyrophosphatase/phosphodiesterase 1; Pc1; Npps; ectonucleotide pyrophosphatase/phosphodiesterase family member 1; E-NPP 1; phosphodiesterase I/nucleotide pyrophosphatase 1; plasma-cell membrane glycoprotein PC-1
Gene ID	85496
mRNA Refseq	NM_053535.1
Protein Refseq	NP_445987.1

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	Q924C3
SDS-PAGE	 15% SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA