



# SZABO SCANDIC

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Data Sheet

### **PEST(PTPN12)**

Human recombinant, with N-terminal GST-tag

Catalog #: 30023

Lot #: 110215      Conc.: 1.2 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
110 mM NaCl, 2.2 mM KCl, 3 mM DTT, 16  
mM glutathione, and 20% glycerol

**Stability:** >6 months at -80°C

#### **References:**

1. J.F. Cote, et al., *J Biol Chem.* 2002, **277**:  
2973-86.
2. K. Horsch et al., *Mol Endocrinol.* 2001, **12**:  
2182-96

#### **Description:**

Human recombinant PTP-PEST, also known as PTPN12, GenBank Accession # NM\_002835), catalytic domain, (a.a. 2-300) with N-terminal GST tag, MW=61.4 kDa, expressed in *E. coli*.

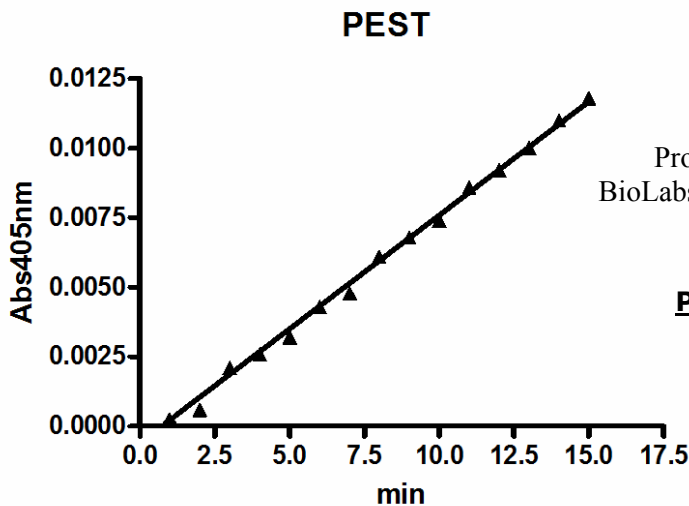
**Specific Activity:** 76 pmole/min/μg.

Assay condition: 20 mM HEPES, pH 7.2, 100 mM NaCl, 2 mM EDTA, 1 mM DTT, 1 mM pNPP and 2 ng/μl PEST. Assay was done at RT for 15 min, and the reaction was monitored at 405 nm continuously. Specific activity was calculated based on  $\epsilon_{pNPP} = 18,000 \text{ M}^{-1}\text{cm}^{-1}$ .

#### **Application:**

Useful for the study of enzyme kinetics, regulation, and to dephosphorylate target substrates.

### **Quality Assurance**



### **10% SDS-PAGE Coomassie staining**

#### **Lane 1:**

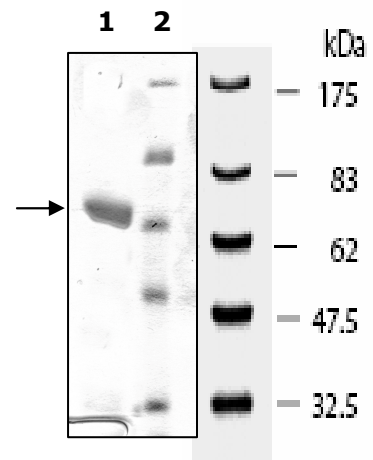
4 μg PEST

#### **Lane 2:**

Protein Marker  
BioLabs (#P7708L)

**MW:** 61 kDa

**Purity:** >80%



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