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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

POP/PREP, His-tag

Human, Recombinant, N-terminal His-tag

Catalog #: 80105

Lot #: 160513-A **Conc.:** 0.75 mg/ml

Formulated in: 45 mM Tris-HCL, pH 8.0, 124 mM NaCL, 2.4 mM KCL, 3 mM DTT, 10% Glycerol and variable amounts of Imidazole.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

References:

1. Myohanen T.T. et al., Neurochem. Res. 32 (8), 1365-1374 (2007).
2. Garcia-Horsman J.A. et al., Scand. J. Gastroenterol. 42 (5), 562-571 (2007).

Description:

Human Prolyl oligopeptidase (POP)/Prolyl endopeptidase (PREP) (GenBank Accession No. NM_002726.) full length with N-terminal His tag, MW = 82 kDa, expressed in an E.Coli expression system.

Specific Activity: ≥ 30 pmol/min/ μg .

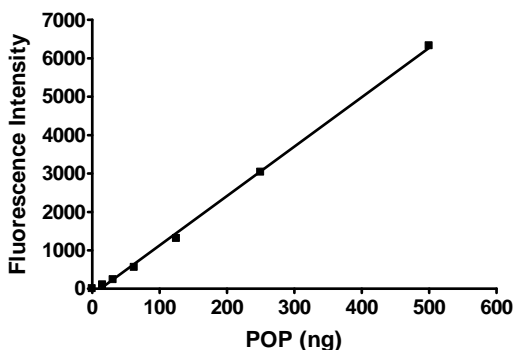
Assay condition: 10 mM Tris-HCl, pH 7.4, 10 mM MgCl₂, 0.05% Tween 20, 20 μM DPP substrate 1 (A-P-AMC), 30 min at room temperature.

Application:

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

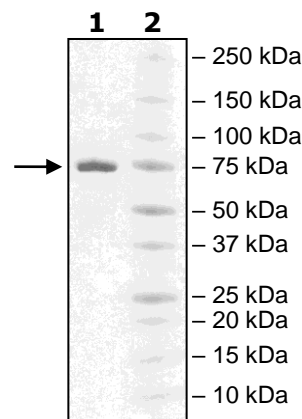
Specific Activity



**4-20% SDS-PAGE
Coomassie staining**

Lane 1:
2 μg POP
Lane 2:
Protein Marker

MW: 82 kDa
Purity: $\geq 90\%$



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