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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

NAMPT/PBEF1

Human, recombinant, N-terminal GST-tag
Catalog #: 91004
Lot #: 130417 Conc.: 1.75 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 10mM Glutathione, 0.04% Tween20, 20% glycerol.

Stability: >6 months at –80℃

References:

1. Amal B *et al., Mol. Cell. Biol.* **14** (2): 1431–7. 1994.
2. Martin PR. *et al., J. Bacteriol.* **183** (4): 1168–74. 2001.

Description: Human Nicotinamide phosphor-ribosyltransferase protein (NAMPT), also known as PBEF1 or visfatin (GenBank Accession No. NM_005746) a.a. 2-491 (end), with N-terminal GST-tag, MW=82 kDa, expressed in an *E. coli* cell expression system.

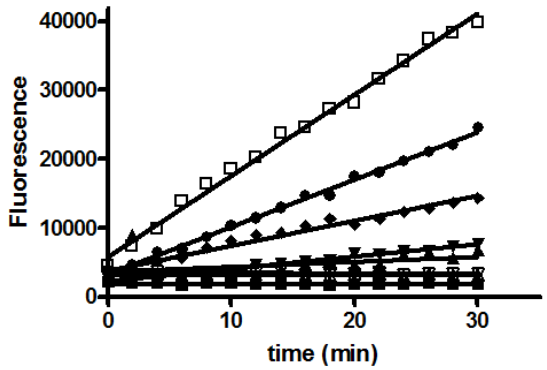
Specific Activity: 0.6 pmol/min/µg

Assay conditions: The reaction mixture contained 50 mM Tris-HCl, pH 8.0, 12.5 mM MgCl2, 0.1 mM nicotinamide, 0.4 mM PRPP, 2 mM ATP, 30 µg/mL of alcohol dehydrogenase, 10 µg/mL of NMNAT (BPS, #71090), 1.5% alcohol, 1 mM DTT, 0.02% BSA, and various amount of NAMPT in a final volume of 50 uL. Reactions were initiated with the addition of NAMPT, and the increase in NADH fluorescence (Ex 340 nm/Em 460 nm) was continuously monitored for 30 min at room temperature.

Application: Useful for protein binding assays, screening inhibitors, and selectivity profiling.

Quality Assurance

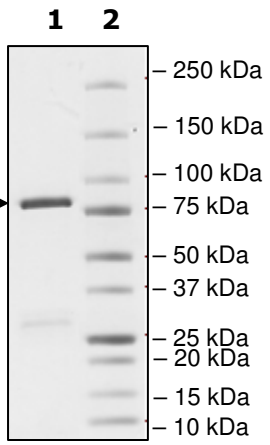
Specific Activity



4-20% SDS-PAGE
Coomassie staining

Lane 1:
1.7 µg NAMPT
Lane 2:
Protein Marker

Purity: 87%
MW: 82 kDa



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Sequence:
MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPN
LPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRIA
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MDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPK
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VADPNKRSKKGRLSLHRTPAGNFVTLEEGKGDLEEYGQDLLHTVFKNGKVTK
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