Recombinant Full Length Rat Nampt Protein, N-Flag-tagged

Cat. No. Nampt-12RFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Nampt Protein, fused to Flag-tag at N-terminus, was expressed in HEK293T.
Species	Rat
Source	HEK293
ProteinLength	1-491 aa
Description	Enables several functions, including cytokine activity; identical protein binding activity; and nicotinamide phosphoribosyltransferase activity. Involved in several processes, including cellular response to amyloid-beta; cellular response to oxygen-glucose deprivation; and negative regulation of cellular senescence. Located in cytoplasm; nucleus; and plasma membrane. Used to study middle cerebral artery infarction and transient cerebral ischemia. Biomarker of kidney failure; periodontitis; and pulmonary hypertension. Human ortholog(s) of this gene implicated in transient cerebral ischemia. Orthologous to human NAMPT (nicotinamide phosphoribosyltransferase).
Form	Liquid. 0.2μm-filtered solution in PBS, pH 7.2.
Molecular Mass	~60kDa
Endotoxin	<0.1EU/μg purified protein (LAL test; Lonza).
Purity	≥90% (SDS-PAGE)

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Storage	Short Term Storage: 4 centigrade. Long Term Storage: -20 centigrade.
Concentration	0.35mg/ml
Shipping	BLUE ICE
Handling Advice	After opening, prepare aliquots and store at -20 centigrade. Avoid freeze/thaw cycles. For maximum product recovery after thawing, centrifuge the vial before opening the cap.
Use/Stability	Stable for at least 6 months after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
N-terminal Sequence	Analysis

GENE INFORMATION

Gene Name	Nampt nicotinamide phosphoribosyltransferase [Rattus norvegicus (Norway rat)]
Official Symbol	Nampt
Synonyms	Pbef; Pbef1; Pre-B Cell Colony Enhancing Factor 1; PBEF1; Nicotinamide Phosphoribosyltransferase; Nampt
Gene ID	297508
mRNA Refseq	NM_177928.3
Protein Refseq	NP_808789.1

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UniProt ID	Q80Z29

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