

Active Recombinant Rat Folh1 protein, His-tagged, Low Endotoxin

Cat. No. FOLH1-2035R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Folh1 protein(P70627-1)(45-752 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	45-752 aa
Form	Lyophilized from 0.22 µm filtered solution in 50mM MES, 150mM NaCl, 8% trehalose (pH 6.0).
Bio-activity	Measured by its ability to hydrolyze the substrate N-acetyl-L-Asp-L-Glu into N-acetyl-L-Asp and L-Glu. The L-Glu product is measured by fluorescence after its derivatization by ortho-phthaldialdehyde. The specific activity is >500 pmol/min/g.
Molecular Mass	The protein has a predicted MW of 80.62 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after

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reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [Folh1 folate hydrolase 1 \[Rattus norvegicus \]](#)

Official Symbol [Folh1](#)

Synonyms FOLH1; folate hydrolase 1; glutamate carboxypeptidase 2; FGCP; mGCP; GCPII; NAALADase I; glutamate carboxypeptidase II; membrane glutamate carboxypeptidase; folylpoly-gamma-glutamate carboxypeptidase; prostate-specific membrane antigen homolog; N-acetylated alpha-linked acidic dipeptidase; pteroylpoly-gamma-glutamate carboxypeptidase; N-acetylated-alpha-linked acidic dipeptidase I; Naalad;

Gene ID [85309](#)

mRNA Refseq [NM_057185](#)

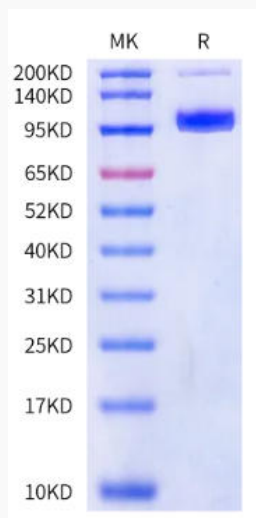
Protein Refseq [NP_476533](#)

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Bis-Tris PAGE



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