Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
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Cynomolgus FOLH1(PSMA) Protein; His Tag

Product Information

Product Name	Cynomolgus FOLH1(PSMA) Protein; His Tag
Storage temp	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	**GM-88318RP-100 / 100 μg** **GM-88318RP-1000 / 1 mg**

Protein Information

Alternative Names	FOLH1, PSMA, GIG27, FOLH, NAALAD1, PSM, GCPII, FGCP
Source	Cynomolgus FOLH1(PSMA) Protein; His Tag (GM-88318RP) is expressed from human 293 cells (HEK-293). It contains AA Lys 44 - Ala 750 (Accession # A0A2K5VNZ0-1). This protein carries a His tag at the N-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	80.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	FOLH1 (folate hydrolase/GCP II) is a cell-surface enzyme mainly found in the kidney and small intestine, with higher levels in some cancers. It acts as a folate receptor-linked enzyme that cleaves polyglutamylated folates to release monoglutamate folate, aiding folate uptake and nucleotide synthesis. The protein has a transmembrane domain and an extracellular catalytic region, and its activity is influenced by folate levels, proteolytic processing, glycosylation, and interactions with transporters. FOLH1 drives folate uptake and one-carbon metabolism, contributing to nucleotide biosynthesis and methylation via the folate cycle. Though not a classic receptor, its activity affects cellular signaling by changing intracellular folate availability, impacting SAM-dependent methylation and DNA synthesis. In cancer, FOLH1 overexpression can boost folate internalization and support growth and survival through purine and thymidylate synthesis, and it may interact with folate transport systems to influence growth- and metabolism-related signaling.

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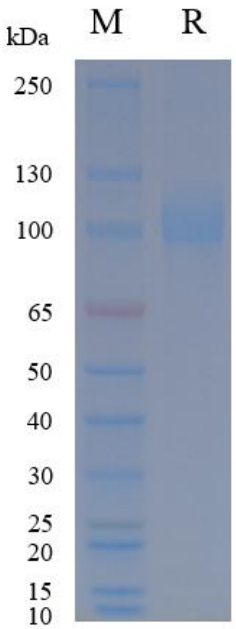
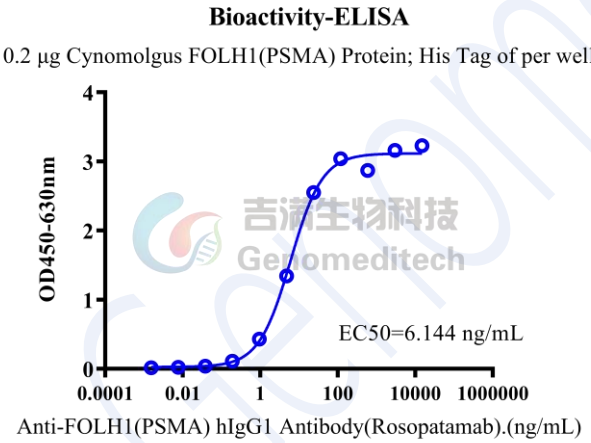
SDS-PAGE

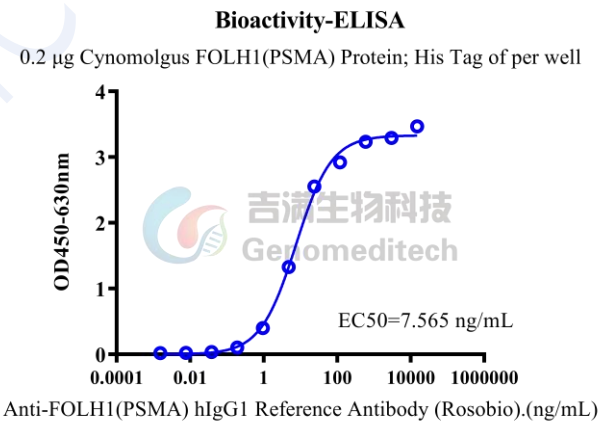


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Cynomolgus FOLH1(PSMA) Protein; His Tag (Catalog # GM-88318RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-FOLH1(PSMA) hIgG1 Antibody(Rosopatamab) (Catalog # GM-27353AB) were added.



Cynomolgus FOLH1(PSMA) Protein; His Tag (Catalog # GM-88318RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-FOLH1(PSMA) hIgG1 Reference Antibody (Rosobio) (Catalog # GM-87705MAB) were added.