

Recombinant Human PI4KA protein, His-tagged

Cat. No. PI4KA-1700H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PI4KA protein(1745-2044 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1745-2044 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AASequence	YLAKFKVKRCGVSELEKEGLRCRSDSEDECSTQEADGQKISWQAAIFKVGDDCRQD MLALQIIDLFKNIFQLVGLDLFVFPYRVVATAPGCGVIECIPDCTSRDQLGRQTDFGM YDYFTRQYGDESTLAFQQARYNFIRSMAYSLLLFLLQIKDRHNGNIMLDKKGHIIHID FGFMFESSPGGNLWEPDIKLTDEMVMIMGGKMEATPFKWFMEMCVRGYLAVRPY MDAVVSLVTLMLDTGLPCFRGQTIKLLKHRFSPNMTEREAANFIMKVIQSCFLSNRS RTYDMIQYYQNDIPY
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [PI4KA phosphatidylinositol 4-kinase, catalytic, alpha \[Homo sapiens \]](#)

Official Symbol [PI4KA](#)

Synonyms PI4KA; phosphatidylinositol 4-kinase, catalytic, alpha; PIK4CA; phosphatidylinositol 4-kinase alpha; PI4K ALPHA; pi4K230; PI4-kinase alpha; ptdIns-4-kinase alpha; phosphatidylinositol 4-kinase 230; phosphatidylinositol 4-kinase, type III, alpha; PI4K-ALPHA; FLJ16556;

Gene ID [5297](#)

mRNA Refseq [NM_002650](#)

Protein Refseq [NP_002641](#)

MIM [600286](#)

UniProt ID [P42356](#)

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