

Recombinant Rat Alpi protein(21-511aa), His-tagged

Cat. No. Alpi-654R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Alpi protein(P15693)(21-511aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	21-511aa
Form	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Bio-activity	Unit Definition: One unit is defined as the amount of enzyme required to cleave 1 nmol p-nitro-phenylphosphate(pNPP), in 1 minute at 37°C, pH10.0. The specific activity is >10370.37 U/mg.
Molecular Mass	55.9 kDa
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Purity	Greater than 95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the

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 45-1 Ramsey Road, Shirley, NY 11967, USA

contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

AA Sequence

VIPVEEENPVFWNQKAKEALDVAKKLQPIQTSAKNLILFLGDGMGVPTVTATRILKGQ
LGGHLGPETPLAMDHPFTALSKTYNVDRQVPDSAGTATAYLCGVKANYKTIGVSA
AARFNQCNSTFGNEVFSVMHRAKKAGKSVGVTTRVQHASPAGTYAHTVNRDWY
SDADMPSSALQEGCKDIATQLISNMDIDVILGGGRKFMFPKGTPDPEYPGDSQSG
VRLDSRNLVEEWLAKYQGTRYVWNREQLMQASQDPAVTRLMGLFEPTMKYDVN
RNASADPSLAEMTEVAVRLLSRNPQGFYLFVEGGRIDQGHAGTAYLALTEAVMFD
SAIEKASQLTNEKDTLTLITADHSHVFAFGGYTLRGTSIFGLAPLNAQDGKSYTSILYG
NGPGYVLNSGNRPNVTDAESGDVNYKQQAAPLSSETHGGEDVAIFARGPQAHLV
HGVQEQNYIAHVMAFAGCLEPYTDCGLAPPADENRPTTPVQN

GENE INFORMATION

Gene Name [Alpi alkaline phosphatase, intestinal \[Rattus norvegicus \]](#)

Official Symbol [Alpi](#)

Synonyms

ALPI; alkaline phosphatase, intestinal; intestinal-type alkaline phosphatase 1; IAP-1;
IAP-I; intestinal alkaline phosphatase 1; intestinal alkaline phosphatase I IAP-I;
Alkaline phosphatase 1, intestinal, defined by SSR; Alp1; S51097;

Gene ID [24197](#)

mRNA Refseq [NM_022665](#)

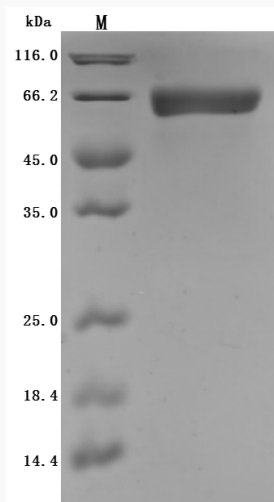
Protein Refseq [NP_073156](#)

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SDS-PAGE



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