
Product Datasheet

Rat Alpi Protein (orb1477843)

Description

Recombinant Rat Intestinal-type alkaline phosphatase 1(Alpi) (Active)

Endotoxins

Less than 1.0 EU/ug as determined by LAL method.

Preservatives

Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0

Form/Appearance

Lyophilized powder

Storage

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

Tag

N-terminal 10xHis-tagged

Note

For research use only

Application notes

We recommend that this vial be briefly centrifuged prior to opening to bring the 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. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Protein Sequence

 VIPVEEENPVFWNQKAKEALDVAKKLQPIQTSAKNLILFLGDGMGVPTVTATRILK
 GQLGGHLGPETPLAMDHFPFTALSPTYNVDRQVPDSAGTATAYLCGVKANYKTI
 GVSAAARFNQCNSTFGNEVFSVMHRAKKAGKSVGVTTRVQHASPAGTYAHT
 VNRDWYSDADMPSSALQEGCKDIATQLISNMDIDVILGGGRKFMFPKGTDPPEY
 PGDSDQSGVRLDSRNLVEEWLAKYQGTRYVWNREQLMQASQDPAVTRLMGLF
 EPTMKYDVNRNASADPSLAEMTEVAVRLLSRNPQGFYLFVEGGRIDQGHAG
 TAYLALTEAVMFDSAIEKASQLTNEKDTLTLITADHSHVFAFGGYTLRGTSIFGLA
 PLNAQDGKSYTSILYGNPGYVLSGNRPNVTDAESGDVNYKQAAVPLSSETH
 GGEDVAIFARGPQAHLVHGVQEQNYIAHVMAFAGCLEPYTDCGLAPPADENRPT
 TPVQN

Purity

Greater than 95% as determined by SDS-PAGE.

Source

Mammalian cell

MW

55.9 kDa

Uniprot ID
[P15693](#)
Expiration Date

6 months from date of receipt.