



# Recombinant Human Intestinal-type alkaline phosphatase (ALPI)

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| <b>Product Code</b>      | CSB-EP001627HU-B   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | P09923   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | VIPAAEENPAFWNRQAAEALDAAKKLQPIQKVAKNLILFLGDGLGVPTVTATRIL<br>KGQKN<br>GKLGPEPLAMDRFPYLALSHTYVDRQVPDSAATATAYLCGVKANFQTIGLS<br>AAARFNQ<br>CNTTRGNEVISVMNRAKQAGKSVGVTTRVQHASPAGTYAHTVNRNWYSD<br>ADMPASARQ<br>EGCQDIATQLISNMDIDVILGGGRKYMFPMGTPDPEYPADASQNGIRLDGKNL<br>VQEWLAK<br>HQQAWYVWNRTQLMQASLDQSVTHLMGLFEPGDTKYEIHRDPTLDPSLMEM<br>TEAALRLLS<br>RNPRGFYLFVEGGRIDHGHHEGVAYQALTEAVMFDDAIERAGQLTSEEDTLTL<br>VTADHSH<br>VFSFGGYTLRGSSIFGLAPSKAQDSKAYTSILYGNPGYVFNSGVRPDVNESE<br>SGSPDYQ<br>QQAAVPLSSETHGGEDVAVFARGPQAHLVHGVQEQSFVAHVMAFAACLEPY<br>TACDLAPPA CTTD |
| <b>Research Area</b>     | Signal Transduction  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | ALPI   |
| <b>Protein Names</b>     | Recommended name: Intestinal-type alkaline phosphatase Short name= IAP<br>Short name= Intestinal alkaline phosphatase EC= 3.1.3.1  |
| <b>Expression Region</b> | 20-503aa   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Target Details</b>    | There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase gene encodes a digestive brush-border enzyme.  |



This enzyme is upregulated during small intestinal epithelial cell differentiation.

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**Reconstitution**

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.

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