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## Product Datasheet

**Recombinant Human Alkaline phosphatase, germ cell type(ALPG) (Active) (orb1785274)**

**Description**

Recombinant Human Alkaline phosphatase, germ cell type(ALPG)

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|--------------------------|--|
| <b>Endotoxins</b>        | Less than 1.0 EU/ug as determined by LAL method.   |
| <b>Preservatives</b>     | Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0  |
| <b>Form/Appearance</b>   | Lyophilized powder   |
| <b>Storage</b>           | 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.  |
| <b>Tag</b>               | C-terminal 10xHis-tagged   |
| <b>Note</b>              | For research use only  |
| <b>Application notes</b> | 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.  |
| <b>Protein Sequence</b>  | <p>           IIPVEEENPDFWNRQAAEALGAAKKLQPAQTAANKLIIFLGDGMGVSTVTAARILK<br/>           GQKKDKLGPETFLAMDRFPYVALSKTYSVDKHVPDSGATATAYLCGVKGNFQTI<br/>           GLSAAARFNQCNTTRGNEVISVMNRAKKAGKSVGVVTTTRVQHASPAGAYAHT<br/>           VNRNWYSADVPASARQEGCQDIATQLISNMDIDVILGGGRKYMFPMPGTPDPE<br/>           YPDDYSQGGTRLDGKNLVQEWLAKHQGARYVWNRTELLQASLDPSVTHLMGL<br/>           FEPGDMKYEIHRDSTLDPSLMEATEAALLLSRNPRGFFLVEGGRIDHGHESR<br/>           AYRALTETIMFDDAIERAGQLTSEEDTSLVADHSHVFSFGGYPLRGSSIFGLAP<br/>           GKARDRKAYTVLLYGNPGYVLKDGARPDVTESESGSPEYRQQSAVPLDGETH<br/>           AGEDVAVFARGPQAHLVHGVQEQTFAHVMAFAACLEPYTACDLAPRAGTTD         </p> |
| <b>Purity</b>            | Greater than 95% as determined by SDS-PAGE.  |
| <b>Source</b>            | Mammalian cell   |
| <b>MW</b>                | 53.9 kDa   |
| <b>Uniprot ID</b>        | <b>P10696</b>  |
| <b>Expiration Date</b>   | 6 months from date of receipt.   |