

## Recombinant Human KLK3 (244AA, C-6His)

Catalog No: C365

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| <b>Description</b>                | Recombinant Human Kallikrein 3 is produced by our Mammalian expression system and the target gene encoding Ala18-Pro261 is expressed with a 6His tag at the C-terminus.   |
| <b>Source</b>                     | Human Cells   |
| <b>Alternative name</b>           | Prostate-Specific Antigen; PSA; Gamma-Seminoprotein; Semin; Kallikrein-3; P-30 Antigen; Semenogelase; KLK3; APS   |
| <b>Accession No.</b>              | P07288  |
| <b>Predicted Molecular Weight</b> | 27.88kDa  |
| <b>AP Molecular Weight</b>        | 30-35kDa, reducing conditions.  |
| <b>Formulation</b>                | Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 2mM CaCl <sub>2</sub> , pH 6.0.  |
| <b>Reconstitution</b>             | <p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>  |
| <b>Quality Control</b>            | <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>   |
| <b>Shipping</b>                   | <p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>  |
| <b>Storage</b>                    | <p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>  |
| <b>Background</b>                 | Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many Kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen members of the Kallikrein subfamily located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein. |

### SDS-Page

