

## Maltohexaose-Forming Amylase (KpG6A)

### Product Information

|                                 |                                                                                                                                                                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cat#</b>                     | DIA-766                                                                                                                                                                                                                                                       |
| <b>Descriptions</b>             | Maltohexaose-forming amylase (KpG6A) derived from <i>Klebsiella pneumoniae</i> specifically hydrolyzes starch to generate maltohexaose as the main product, exhibits high product specificity, and is used for functional maltooligosaccharide manufacturing. |
| <b>Applications</b>             | Maltohexaose-forming amylase (KpG6A) serves as a tool for maltohexaose production detection kits and functional oligosaccharide assay reagent development.                                                                                                    |
| <b>CAS No.</b>                  | 32-1-981                                                                                                                                                                                                                                                      |
| <b>Enzyme Commission Number</b> | EC 3.2.1.98                                                                                                                                                                                                                                                   |
| <b>Reaction</b>                 | maltohexaose+pNP-Alpha-Glc = pNP-Alpha-G7                                                                                                                                                                                                                     |
| <b>Activity Definition</b>      | Enzyme activity is defined as the amount of enzyme required to catalyze the formation of pNP-Alpha-G7 from 1MuM of pNP-Alpha-Glc and maltohexose in a methanol solution at 35°C for 1 hour                                                                    |