

## Active Recombinant $\beta$ -galactosidase

Cat. No. GAL-092    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Active Recombinant $\beta$ -galactosidase Protein                                                                                                                                                                                                                        |
| Source           | E.coli                                                                                                                                                                                                                                                                   |
| Description      | $\beta$ -galactosidase, also known as lactase, is an enzyme that is required for the digestion of lactose; its absence or reduced availability leads to lactose intolerance, resulting in gastrointestinal symptoms upon the consumption of lactose-containing products. |
| Form             | Light white Lyophilized powder or Liquid                                                                                                                                                                                                                                 |
| Bio-activity     | Specific activity: $\geq 600$ U/mg protein    Activity: $\geq 50$ U/mg solid                                                                                                                                                                                             |
| Purity           | $> 90\%$                                                                                                                                                                                                                                                                 |
| Notes            | This product is for research and manufacturing use only and is not intended for diagnostic or therapeutic use.                                                                                                                                                           |
| Storage          | At -20 centigrade: At least 1 year                                                                                                                                                                                                                                       |
| CAS No.          | 9031-11-2                                                                                                                                                                                                                                                                |
| EC No.           | 3.2.1.23                                                                                                                                                                                                                                                                 |

### GENE INFORMATION

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|                 |                        |
|-----------------|------------------------|
| Official Symbol | GAL                    |
| Synonyms        | $\beta$ -galactosidase |