

## Active Recombinant Inositol 2-dehydrogenase

Cat. No. IDH-058    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Active Recombinant IDH Protein                                                                                                                                                                                                                                         |
| Source           | E.coli                                                                                                                                                                                                                                                                 |
| Form             | White powder                                                                                                                                                                                                                                                           |
| Bio-activity     | Specific activity: > 50 U/mg Protein Powder Activity: > 10 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          | 2-8 centigrade: At least 1 year                                                                                                                                                                                                                                        |
| CAS No.          | 9028-25-5                                                                                                                                                                                                                                                              |
| Unit Definition  | One Unit of myo-inositol dehydrogenase activity is defined as the amount of enzyme required to produce one $\mu$ mole of scyllo-inosose and NADH from myo-inositol (123 mM) and NAD <sup>+</sup> per minute in Glycylglycine buffer (492 mM), pH 9.6 at 25 centigrade. |
| EC No.           | 1.1.1.18                                                                                                                                                                                                                                                               |

### GENE INFORMATION

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|-----------------|--------------------------|
| Official Symbol | IDH                      |
| Synonyms        | Inositol 2-dehydrogenase |