

## Adenosine Deaminase (RnADA)

### Product Information

|                                 |                                                                                                                                                                                                                                                                                                                       |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cat#</b>                     | DIA-593                                                                                                                                                                                                                                                                                                               |
| <b>Descriptions</b>             | Adenosine deaminase originates from rat tissue and achieves efficient hydrolysis deamination of adenosine and deoxyadenosine. It regulates purine nucleotide circulation and immune related metabolic activities, which is commonly applied in immunology research and nucleotide structure modification experiments. |
| <b>Applications</b>             | Adenosine deaminase (RnADA) serves as a core raw material for adenosine metabolism detection kits and purine metabolic pathway assay reagent preparation.                                                                                                                                                             |
| <b>CAS No.</b>                  | 35-4-412                                                                                                                                                                                                                                                                                                              |
| <b>Enzyme Commission Number</b> | EC 3.5.4.4                                                                                                                                                                                                                                                                                                            |
| <b>Enzyme Source</b>            | E.coli recombinant adenosine deaminase from Rattus norvegicus.                                                                                                                                                                                                                                                        |
| <b>Reaction</b>                 | Adenosine = inosine                                                                                                                                                                                                                                                                                                   |
| <b>Activity Definition</b>      | One unit is defined as the amount of enzyme that catalyzes the formation of 1 $\mu$ mol inosine from adenosine per minute at 37°C.                                                                                                                                                                                    |