

## Recombinant Homocysteine Methyl Transferase (HMT)

### Product Information

<b>Cat#</b>	BDE-047
<b>Description</b>	Homocysteine (Hcy) is a sulfur-containing amino acid and an established independent risk factor for cardiovascular disease. The enzymatic cycling method for Hcy detection is rapid, sensitive, and compatible with automated biochemical analyzers; homocysteine methyltransferase (HMT) is one of its core enzymes.
<b>Applications</b>	Used in homocysteine assay kits, participating in the enzymatic coupling reaction of the methionine cycle.
<b>Form</b>	Colorless clear liquid or lyophilized powder
<b>Source</b>	Recombinant protein expression
<b>Activity</b>	70 U/mg
<b>Unit Definition</b>	One unit is defined as the amount of enzyme required to catalyze a reaction that causes a decrease of 0.01 in the absorbance of NADH at 340 nm per minute under specified assay conditions (37 °C, pH 8.3).
<b>Molecular Weight</b>	51 kDa (SDS-PAGE)
<b>Purity</b>	≥ 90% by SDS-PAGE
<b>Optimum pH</b>	6.5-8.5
<b>Isoelectric Point</b>	5.01
<b>Storage</b>	Store at -20°C for at least one year, or at -80°C for two years.
<b>Notes</b>	It can be resuspended in purified water containing 30% glycerol and stored at 4°C for approximately one year; After aliquoting according to usage, store at -20°C for up to two years; avoid repeated freeze-thaw cycles as much as possible.