

Recombinant Human Methylmalonyl-CoA Mutase Protein

Product Information

Cat#	NATE-1025
Synonyms	Methylmalonyl-CoA Mutase protein, MMUT
CAS No.	9023-90-9
Enzyme Commission Number	EC 5.4.99.2
Size	0.1 mg
Descriptions	Methylmalonyl-CoA mutase is one of the key enzymes involved in metabolic processes in the body, playing a particularly crucial role in the vitamin B12 metabolic pathway. This enzyme converts methylmalonyl-CoA to malonyl-CoA, which is involved in the metabolism of fatty acids, amino acids, and cholesterol.
Applications	Human methylmalonyl-CoA mutase protein serves as a calibration standard for enzyme activity assays, supporting newborn screening and clinical diagnosis of methylmalonic acidemia caused by MUT deficiency.
Source	E.coli with a His-tag
Expression System	E.coli
Form	Supplied Lyoph, Tris-based buffer, 6% Trehalose, pH 8.0.
Conjugate	His tag
Purity	≥ 85%
Storage	Store at -20 to -80°C, close container well.
Shelf Life	Recommended shelf life is 1 year in the lyophilized format. Once reconstituted use within 6 months of reconstitution.
Note	Not hazardous. Use normal laboratory precautions and procedures when handling.