rPGAM-B

B-type isozyme of phosphoglycerate mutase, recombinant from human

Host cell : E. coli

Specification

	Specifications
Specific Activity	≧500 units/mg It is measured by Bergmeyer method[3] and decreasing of enzyme value of NADH in 1 μmol/min (30℃)
Biological Activity	2,3-bisphosphoglycerol acid as a coenzyme, it catalyzes 2-phosphoglycerol acid and 3-phosphoglycerol acid to a interconversion.

Feature

Recombinant human phosphoglycerate mutase B isozyme (rPGAM-B) is prepared from *E. coli* extract by hydrophobic chromatograpy[1].

rPGAM-B monomar is made from 253 amino acids and has the same amino acid sequence as natural form[2].

Preparation

about 1 mg/mL (10 mmol/L phosphate buffer, pH 7.0)

Storage

below −20℃

OYC No./Package

OYC No.	Package
47220000	100 μg

References

1) K. Uchida, et al., *Clin. Chim. Acta*, **237**, 43-58 (1995)
2) J. Castella-Escola, et al., *Gene*, **91**, 225-232 (1990)
3) H. U. Bergmeyer, *Methods of enzymatic analysis (3rd edn.)*, 282-283 (1983)

(Research reagent use only, not for medical use.)

rPGAM-M

M-type isozyme of phosphoglycerate mutase, recombinant from human

Host cell : E. coli

Specification

	Specifications
Specific Activity	≧500 units/mg It is measured by Bergmeyer method[3] and decreasing of enzyme value of NADH in 1 μmol/min (30℃)
Biological Activity	2,3-bisphosphoglycerol acid as a coenzyme, it catalyzes 2-phosphoglycerol acid and 3-phosphoglycerol acid to a interconversion.

Feature

Recombinant human phosphoglycerate mutase M isozyme (rPGAM-M) is prepared from *E. coli* extract by hydrophobic chromatograpy[1].

rPGAM-M monomar is made from 252 amino acids and has the same amino acid sequence as natural form[2].

Preparation

about 1 mg/mL (50 mmol/L phosphate buffer containing 1 mmol/L Mercaptoethanol, pH 6.5)

Storage

below −20℃

OYC No./Package

OYC No.	Package
47219000	100 μg

References

1) K. Uchida, et al., *Chin. Chim. Acta*, **237**, 43-58 (1995)
2) J. Castella-Escola, et al., *Gene*, **91**, 225-232 (1990)
3) H.U. Bergmeyer, *Methods of enzymatic analysis (3rd edn.)*, 282-283 (1983)

(Research reagent use only, not for medical use.)