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Certificate of Analysis and Data Sheet Recombinant Human Tumour Type M2 Pyruvate Kinase

Catalog No.

228-11261

Source

Escherichia Coli

Synonyms

Pyruvate kinase isozymes M1/M2, EC 2.7.1.40, Pyruvate kinase muscle isozyme, Pyruvate kinase 2/3, Cytosolic thyroid hormone-binding protein, CTHBP, THBP1, M2PK, PKM2, PK3, PK2, PKM, TCB, OIP3, MGC3932, Tumor Type M2 Pyruvate Kinase.

Introduction

Pyruvate kinase is a key enzyme in the glycolytic pathway. The M2 isoenzyme of pyruvate kinase is specifically expressed at high levels in tumor cells, and can be measured in plasma of patients with advanced breast cancer. The marker is useful for measuring disease activity, sensitivity to chemotherapy and recurrence.

Description

PKM2 Human Recombinant is produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 62400 Dalton with an amino-terminal hexahistidine tag. The PKM2 is purified by standard chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

PKM2-His is supplied in 1x PBS and 50% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. **Please avoid freeze thaw cycles.**

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**