

TKT Human

Description: TKT Human Recombinant produced in E. coli is a single polypeptide chain containing 643 amino acids (1-623) and having a molecular mass of 70.0kDa. TKT is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-595

For research use only.

Synonyms: Transketolase, TK, TKT1, EC 2.2.1.1.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MESYHKPDQQ KLQALKDTAN
RLRISSIQAT TAAGSGHPTS CCSAAEIMAV LFFHTMRYKS QDPRNPHNDR FVLSKGHAAP
ILYAVWAEAG FLAEAELLNL RKISSDLGSH PVPKQAFSTDV ATGSLGQGLG AACGMAYTGK
YFDKASYRVY CLLGDGELSE GSVWEAMAFSA SIYKLDNLVA ILDINRLGQS DPAPLQHQM
D IYQKRCEAFG WH

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:

The TKT solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

TKT is a thiamine-dependent enzyme that takes part in the channeling of leftover sugar phosphates to glycolysis in the pentose phosphate pathway. Multiple alternatively spliced variants are known that encode the same protein.

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