

## 32-2854: TKT Recombinant Protein

**Alternative Name :** Transketolase,TK,TKT1,EC 2.2.1.1.

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :** 10 µg

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

**Content :** The TKT solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MESYHKPDQQ KLQALKDTAN RLRISSIQAT TAAGSGHPTS CCSAAEIMAV LFFHTMRYKS QDPRNPHNDR FVLSKGHAAP ILYAVWAEAG FLAEALLNL RKISSDLGDH PVPKQAFDTV ATGSLGQGLG AACGMAYTGK YFDKASYRVY CLLGDGELSE GSVWEAMAF SIYKLDNLVA ILDINRLGQS DPAPLQHQM DIYQKRCEAFG WHAIIVDGHS VEELCKAFGQ AKHQPTAIIA KTFKGRGITG VEDKESWHGK PLPKNMAEQI IQEISQIQS KKKILATPPQ EDAPSVDIAN IRMPSLPSYK VGDKIATRKA YGQALAKLGH ASDRIIALDG DTKNSTFSEI FKKEHPDRFI ECIYAEQNMV SIAVGCATRN RTVPCSTFA AFFTRAQDQI RMAAISESNI NLCGSHCGVS IGEDGPSQMA LEDLAMFRSV PTSTVFYPSD GVATEKAVEL AANTKGICFI RTSRPENAI YNNNEDFQVG QAKVVLKSKD DQVTVIGAGV TLHEALAAAE LLKKEKINIR VLDPFTIKPL DRKLILDSAR ATKGRILTVE DHYYEGGIGE AVSSAVVGEP GITVTHLAVN RVPRSGKPAE LLKMFQIDRD AIAQAVRGLI TKA.

