

Transketolase Human Recombinant

Item Number	rAP-1405
Synonyms	Transketolase, TK, TKT1, EC 2.2.1.1.
Description	TKT Human Recombinant produced in <i>E. coli</i> 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.
Uniprot Accession Number	P29401
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MESYHKPDQQ KLQALKDTAN RLRISSIQAT TAAGSGHPTS CCSAAEIMAV LFFHTMRYKS QDPRNPHNDR FVLSKGHAAP ILYAVWAEAG FLAEAEELLNL RKISSDLGDH PVPKQAFSTDV ATGSLGQGLG AACGMAYTGK YFDKASYRVY CLLGDGELSE GSVWEAMAF A SIYKLDNLVA ILDIRLQGS DPAPLQHQM DIYQKRCEAFG WHAIIVDGHS VEELCKAFGQ AKHQPTAIIA KTFKGRGITG VEDKESWHGK PLPKNMAEQI IQEIYSQIQS KKKILATPPQ EDAPSVDIAN IRMPSLPSYK VGDKIATRKA YGQALAKLGH ASDRIIALDG DTKNSTFSEI FKKEHPDRFI ECYIAEQNMV SIAVGCASTRN RTVPFCSTFA AFFTRAQDQI RMAAISESNI NLCGSHCGVS IGEDGP- SQMA LEDLAMFRSV PTSTVFYPSD GVATEKAVEL AANTKGICFI RTSRPENAI YNNNEDFQVG QAK-
Source	<i>E. coli</i> .
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The TKT solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**