

Recombinant Human TKT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TKT-1322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TKT MS Standard C13 and N15-labeled recombinant protein (NP_001128527) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a thiamine-dependent enzyme which plays a role in the channeling of excess sugar phosphates to glycolysis in the pentose phosphate pathway. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	67.7 kDa
AA Sequence	MESYHKPDQQKLQALKDTANRLRISSIQATTAAGSGHPTSCCSAAEIMAVLFFHTMR YKSQDPRNPHNDRFVLSKGHAAPILYAVWAEAGFLAEAEELLNLRKISSDLDGHPVPK QAFTDVATGSLGQGLGAACGMAYTGKYFDKASYRVYCLLDGELSEGSVWEAMAF ASIYKLDNLVAILDINRLGQSDPAPLQHQMIDIYQKRCEAFGWHAIIVDGHSVEELCKA FGQAKHQPTAIIAKTFKGRGITGVEDKESWHGKPLPKNMAEQIIQEIYSQIQSKKKILA TPPQEDAPSVDIANIRMPSPSYKVGDKIATRKAYGQALAKLGHASDRIIALDGDTKN STFSEIFKKEHPDRFIECYIAEQNMVSIAVGCATRNRTVPFCSTFAAFFTRAQDQIRM AAISESNINLCGSHCGVSGIEDGPSQMALEDLAMFRSVPTSTVFYPSDGVATEKAVE LAANTKGICFIRTSRPENAIYNNNEDFQVGQAKVVLKSKDDQVTVIGAGVTLHEALA

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AAELLKKEKINIRVLDPFITKPLDRKLILDSARATKGRILTVEDHYEGGIGEAVSSAVV
GEPGITVTHLAVNRVPRSGKPAELLKMFGIDRDAIAQAVRGLITKATRTRPLEQKLISE
EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TKT transketolase [*Homo sapiens* (human)]

Official Symbol TKT

Synonyms TKT; transketolase; Wernicke Korsakoff syndrome; TK; TKT1; FLJ34765;

Gene ID 7086

mRNA Refseq NM_001135055

Protein Refseq NP_001128527

MIM 606781

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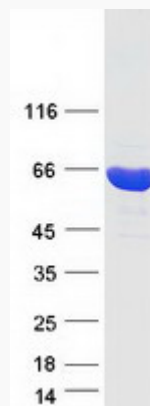
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UniProt ID

P29401

SDS-PAGE

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