

Recombinant Human TKT protein, GST-tagged

Cat. No. TKT-2500H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TKT protein(274-623 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	274-623 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	IYSQIQSKKKILATPPQEDAPSVDIANIRMPSLPSYKVGDKIATRKAYGQALAKLGHAS DRIIALDGDTKNSTFSEIFKKEHPDRFIECYIAEQNMVSIIVGCATRNRTVPFCSTFAA FFTRAQDQIRMAAISESNINLCGSHCGVSGEDGPSQMALEDLAMFRSVPTSTVFYP SDGVATEKAVELAANTKGICFIRTSRPENAIYNNNEDFQVGQAKVVLKSKDDQVTVI GAGVTLHEALAAAELLKKEKINIRVLDPFITKPLDRKLILDSARATKGRILTVEDHYEG GIGEAVSSAVVGEPGIVTHLAVNRVPRSGKPAELLKMFIDRDAIAQAVRGLITKA
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name TKT transketolase [Homo sapiens]

Official Symbol TKT

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

Gene ID 7086

mRNA Refseq NM_001064

Protein Refseq NP_001055

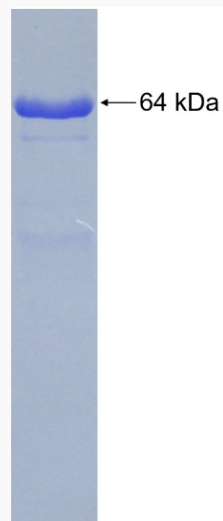
MIM 606781

UniProt ID P29401

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SDS-PAGE

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