

Recombinant Human TKTL1 Protein, His-tagged

Cat. No. TKTL1-643H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TKTL1(Met1~Asp259) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Asp259
Description	The protein encoded by this gene is a transketolase that acts as a homodimer and catalyzes the conversion of sedoheptulose 7-phosphate and D-glyceraldehyde 3-phosphate to D-ribose 5-phosphate and D-xylulose 5-phosphate. This reaction links the pentose phosphate pathway with the glycolytic pathway. Variations in this gene may be the cause of Wernicke-Korsakoff syndrome. Three transcript variants encoding different isoforms have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	88.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 93%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

Stability

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

TKTL1 transketolase-like 1 [Homo sapiens]

Official Symbol

TKTL1

Synonyms

TKTL1; transketolase-like 1; transketolase-like protein 1; TKR; TKT2; TK 2; transketolase-2; transketolase-related protein;

Gene ID

8277

mRNA Refseq

NM_001145933

Protein Refseq

NP_001139405

MIM

300044

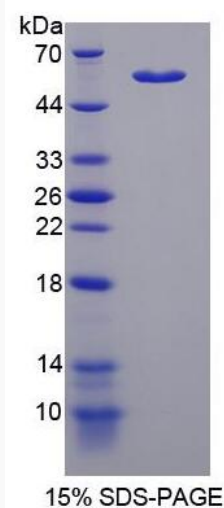
UniProt ID

P51854

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