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 1μg (determined by the LAL method)
Purity	> 93%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

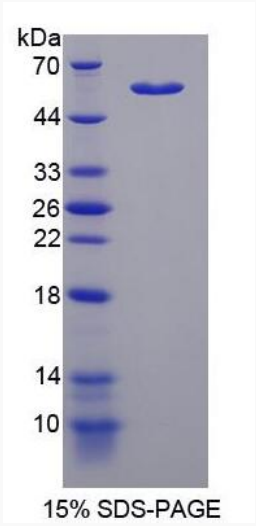
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA



15% SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA