

Recombinant Human TKTL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TKTL2-4627H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TKTL2 MS Standard C13 and N15-labeled recombinant protein (NP_115512) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	TKTL2 (Transketolase Like 2) is a Protein Coding gene. Diseases associated with TKTL2 include Uremic Neuropathy and Wernicke-Korsakoff Syndrome. Among its related pathways are Metabolism and Carbon metabolism. Gene Ontology (GO) annotations related to this gene include oxidoreductase activity, acting on the aldehyde or oxo group of donors, disulfide as acceptor and transketolase activity. An important paralog of this gene is TKTL1.
Molecular Mass	67.9 kDa
AA Sequence	MMANDAKPDVKTVQVLRDTANRLRIHSIRATCASGSGQLTSCCSAAEVVSVLFFHT MKYKQTDPEHPDNDRFILSRGHAAPILYAAWVEVGDISESDLLNLRKLHSDLERHPT PRLPFVDVATGSLGQGLGTACGMAYTGKYLDKASYRVFCLMGDGESSEGSVWEAF AFASHYNLDNLVAVFDVNRLGQSGPAPLEHGADIYQNCCEAFGWNTYLVDGHDVE ALCQAFWQASQVKNKPTAIVAKTFKGRGIPNIEDAENWHGKVPKERADAIVKLIES QIQTNENLIPKSPVEDSPQISVTDIKMTSPHAYKVGDKIATQKTYGLALAKLGRANER VIVLSGDTMNSTFSEIFRKEHPERFIECIIAEQNMVSVALGCATRGRTIAFAGAFAAFF

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TRAFDQLRMGAISQANINLIGSHCGVSTGEDGVSQMALEDLAMFRSIPNCTVFYPSD
 AISTEHAIYLAANTKGMCFIRTSQPETAVIYTPQENFEIGQAKVVRHGVNDKVTVIGAG
 VTLHEALEAADHLSQQGISVRVIDPFTIKPLDAATIISAKATGGRVITVEDHYREGGIG
 EAVCAAVSREPDILVHQLAVSGVPQRGKTSELLDMFGISTRHIIAAVTLTLMKTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

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 TKTL2 transketolase-like 2 [Homo sapiens (human)]

Official Symbol TKTL2

Synonyms TKTL2; transketolase-like 2; transketolase-like protein 2; DKFZP434L1717; FLJ32975; similar to transketolase; DKFZp434L1717;

Gene ID 84076

mRNA Refseq NM_032136

Protein Refseq NP_115512

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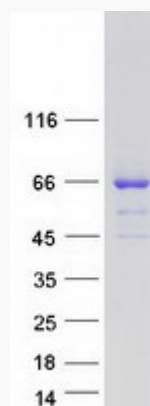
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UniProt ID

Q9H0I9

SDS-PAGE

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