

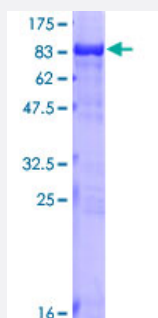
Full-Length

TKT (Human) Recombinant Protein (P02)

Catalog # H00007086-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TKT full-length ORF (NP_001055.1, 1 a.a. - 623 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MESYHKPDQQKLQALKDTANRLRISSIQATTAAGSGHPTSCCSAAEIMAVLFFHTMRYKSQDPRN
PHNDRFVLSKGHAAPILYAVWAEAGFLAEAELLNLRKISSDLDGHPVPKQAFTDVATGSLGQGLG
AACGMAYTGKYFDKASYRVYCLLDGELSEGSVWEAMAFASYKLDNLVAILDINRLGQSDPAPL
QHQMIDIYQKRCEAFGWHAIIVDGHVSVEELCKAFGQAKHQPTAIIAKTFKGRGITGVEDKESWHGKP
LPKNMAEQIIQEYSQIQSKKKILATPPQEDAPSVDIANIRMPSLPSYKVGDKIATRKAYGQALAKLGH
ASDRIALDGDTKNSTFSEIFKKEHPDRFIECYAEQNMVSIAGCATRNRTVPFCSTFAAFFTRAFFD
QIRMAAISESNINLCGSHCGVSGIEDGPSQMALEDLAMFRSVPTSTVFYPSDGVATEKAVELAANT
KGICFIRTSRPENAIYNNNEDFQVGQAKVVLKSKDDQVTVIGAGVTLHEALAAAELLKKEKINIRVL
DPFTIKPLDRKLILDSARATKGRILTVEDHYEGGIGEAVSSAVVGEPGIVTHLAVNRVPRSGKPA
ELLKMFIDRDAIAQAVRGLITKA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

94.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TKT

Entrez GeneID	7086
GeneBank Accession#	NM_001064.1
Protein Accession#	NP_001055.1
Gene Name	TKT
Gene Alias	FLJ34765, TKT1
Gene Description	transketolase
Omim ID	277730 606781
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of phenylpropanoids](#)

- [Biosynthesis of plant hormones](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)