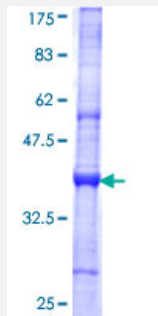


TTL (Human) Recombinant Protein (Q01)

Catalog # H00150465-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TTL partial ORF (NP_714923, 279 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LESSILLQIKHIIRNCLLSVEPAISTKHLPTYQSFQLFGFDFMVDEELKVWLIEVNGAPACAQKLYAEL CQGMDIAISSVFPPPDVEQPQTQPAAFIKL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — TTL

Entrez GeneID [150465](#)

GeneBank Accession# [NM_153712](#)

Protein Accession# [NP_714923](#)

Gene Name TTL

Gene Alias MGC46235

Gene Description tubulin tyrosine ligase

Omim ID [608291](#)

Gene Ontology [Hyperlink](#)

Gene Summary TTL is a cytosolic enzyme involved in the posttranslational modification of alpha-tubulin (see MIM 602529). Alpha-tubulin within assembled microtubules is detyrosinated over time at the C terminus. After microtubule disassembly, TTL restores the tyrosine residues and consequently participate in a cycle of tubulin detyrosination and tyrosination (Erck et al., 2003 [PubMed 14571137]).[supplied by OMIM]

Other Designations 2410003M22Rik|tubulin-tyrosine ligase

Disease

- [Alcoholism](#)
- [Conduct Disorder](#)