

Datasheet for ABIN7555889  
**TTLL8 Protein (AA 1-850) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TTLL8
Protein Characteristics:	AA 1-850
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTLL8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat TTLL8 Protein expressed in mammalien cells.
Sequence:	MEPERKGLSL ASSSDGDGRE ENKCLKQGISQ DLASSSRLDR YKIARQLTEK AIKEKKIFSI YGHYPVVRAA LRRKGWVEKK FHFLPKVIPD VEDEGARVND DCAKVKENQ EMALEKTDNI HDVMSRLVKN EMPYLLWTIK RDIIDYHSLT YDQMLNHYAK TASFTTKIGL CVNMRSPLPWY VPANPDSFFP RCYSLCTESE QQEFLEDFRR TMASSILKWV VSHQSCSRSS RSKPRDQREE AGSSDLSSRQ DAENAEAKLR GLPGQLVDIA CKVCQAYLGQ LEHEDIDTSA DAVEDLTEAE WEDLTQQYYS LVHGDAFISN SRNYFSQCQA LLNRITSVNP QTDIDGLRNI WIIKPAAKSR GRDIVCMDRV EEILELAAAD HPLSRDNKWV VQKYIETPLL ICDTKFDIRQ WFLVTDWNPL TIWFYKESYL RFSTQRFSLD KLDSAIHLCN NAVQKYLKND VGRSPLPAH NMWTSTRFQE YLQRQGRGAV WGSVIYPSMK KAIAHAMKVA QDHVEPRKNS FELYGADFVL GRDFRPWLIE INSSPTMHPS TPVTAQLCAQ VQEDTIKAVV DRSCDIGNFE LLWRQPVVEP PPFSGSDLCV AGVSVRRARR QVLPVCNLKA SASLLDAQPL KARGPSAMPD PAQGPPSPAL QRDGLGLKEEK

## Product Details

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GLPLALLAPL RGAAESGGAA QPTRTKAAGK VELPACPCRH VDSQAPNTGV PVAQPAKSWD  
PNQLNAHPLE PVLRLKTAE GALRPPPGGK GEGTVCSRLP HHGHHVAACQ TTGTTWDGGP  
GVCFLRQLLA SELPMGPGLP RDPRAPPCLV CRGLLPPAGP CKRCRSFCAA VLQGASFVRL  
GGRSCSPRTP **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

TTLL8

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### Alternative Name:

TTLL8 ([TTLL8 Products](#))

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### Background:

Protein monoglycylase TTLL8 (EC 6.3.2.-) (Tubulin--tyrosine ligase-like protein 8),FUNCTION: Monoglycylase which modifies both tubulin and non-tubulin proteins, adding a single glycine to the gamma-carboxyl groups of specific glutamate residues to generate monoglycine side chains within the C-terminal tail of target proteins. Not involved in elongation step of the polyglycylation reaction. Preferentially monoglycylates alpha-tubulin over beta-tubulin. Together with TTLL3, mediates microtubule glycylation of primary and motile cilia, which is essential for their stability and maintenance. Together with TTLL3, glycylates sperm flagella which regulates

## Target Details

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axonemal dynein motor activity, thereby controlling flagellar beat, directional sperm swimming and male fertility. Monoglycylates non-tubulin proteins such as ANP32A, ANP32B, SET, NCL and NAP1. {ECO:0000250|UniProtKB:A4Q9F1}.

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Molecular Weight: 94.7 kDa

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UniProt: [A6PVC2](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months