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## Datasheet for ABIN1638302 TGTA Protein (AA 1-459) (His tag)

### Overview

Quantity:	1 mg
Target:	TGTA
Protein Characteristics:	AA 1-459
Origin:	Methanopyrus kandleri
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGTA protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>MNVAFEVKDR DVAGRLGRLE VNGRRLKTPA LLPVVNPNKP TLDPREISKL GFDGVITNAY</p> <p>IIRKHEHLRE QALEEGVHGL LGFDGFVMTD SGSFQLAEYG DVEVSNEEIV RFQAKIGSDV</p> <p>GTILDVPTTP DAPRSRVERD LETTLKRARE AVELDEHPPL ALTVQGSTYE DLRRRLCAEKL</p> <p>AELPAAVYPV GGVPPLLECY RFVDVVRVVL AAKSSLPPHR PVHLFGCGHP LAIPLAVAMG</p> <p>CDLFDSASYA IYARSDRYMS ILGTLKLEEL ETFPCSCPAC TRHDPDDVRE MEPRERTRVL</p> <p>ATHNLYELRR VIETTRQAIQ SGELWELAES VCRAHPRAWA GMVELARRGG ELERWCPAVK</p> <p>RSVFVCDEVS KGRPELRLYR RRLRDRFGEL SGRKVVKGIS RPYAEIVEWL EPWELAFAD</p> <p>WLGVPVPELS WSYPCHCLVE PSGDDEGEDR RRGEEGRRR</p>
Specificity:	Methanopyrus kandleri (strain AV19 / DSM 6324 / JCM 9639 / NBRC 100938)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

Purity: > 90 %

## Target Details

Target: TGTA

Abstract: [TGTA Products](#)

Background: Recommended name: 7-cyano-7-deazaguanine tRNA-ribosyltransferase.  
EC= 2.4.2.-.  
Alternative name(s): Archaeal tRNA-guanine transglycosylase

UniProt: [Q8TYV3](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.