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Datasheet for ABIN1475427 TGM3 Protein (AA 2-467) (His tag)

Overview

Quantity:	1 mg
Target:	TGM3
Protein Characteristics:	AA 2-467
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGM3 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	SALEVQNIN WQMPMNRRAH HTDKFSSQDF IVRRGQPWEV ILLCNRSLES GDNLNFIVST GPQPSESART KAVFSISGRN TSGWSAALKA SNGNNLFIAI ASPVSAPIGL YTLNVEVSSK GRVSSVKLGT FTVLFNPWQQ GDDVFMSNHA ERQEYVEEDS GIIYVGSTNR IGMVGWNFGQ FEEDILSISL SILDRSLNFR RDPATDVARR NDPKYVCRVL SAMINANDDS GVLSGNWSGN YSGGVDPRTW NGSVEILKNW KKSGFRPVQF GQCWVFAGTL NTVLRCLGVP SRVITNFNSA HDTDRNLSVD VYYDAMGNPL EKGSDSVWNF HWWNEGWFVR TDLGPSYNGW QVLDATPQER SQGVFQCGPA SVNAIKDGEV DQNFDMIFIF AEVNADRITW IYNNRDGSQK QNSVDTYSIG KYISTKAVGS NSRMDVTIKY KHPEGSKEER QVQQKAMNKL KPNASFG
Specificity:	Rattus norvegicus (Rat)
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: TGM3

Alternative Name: Protein-Glutamine gamma-Glutamyltransferase E (Tgm3) ([TGM3 Products](#))

Background: Recommended name: Protein-glutamine gamma-glutamyltransferase E.
EC= 2.3.2.13.
Alternative name(s): Transglutaminase E.
Short name= TG(E).
Short name= TGE.
Short name= TGase E Transglutaminase-3.
Short name= TGase-3 Cleaved into the following 2 chains: 1.
Protein-glutamine gamma-glutamyltransferase E 50 kDa catalytic chain 2.
Protein-glutamine gamma-glutamyltransferase E 27 kDa non-catalytic chain

UniProt: [D4A5U3](#)

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

Handling

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.