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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

TGM1 (Human) Recombinant Protein (P01)

Catalog Number: H00007051-P01

Regulation Status: For research use only (RUO)

Product Description: Human TGM1 full-length ORF (AAH34699, 1 a.a. - 817 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MMDGPRSDVGRWGGNPLQPPTTSPPEPEPEPDGRS
RRGGGRSFWARCCGCCSCRNAADDDWGPEPSDSR
GRGSSSGTRRPGSRGSDSRPVSRGSGVNAAGDGTI
REGMLVVNGVDLLSSRSQNRREHHTDEYEYDELIVR
RGQPFHMLLLSRTYESSDRITLLELIGNNPEVGKGT
VIIPVGKGGSGGWKAQVVKASGQNLNLRVHTSPNAIIG
KFQFTVRTQSDAGEFQLPFDPRNEIYILNPWCPEDIV
YVDHEDWRQEYVLNESGRIYYGTEAQIGERTWNYGQ
FDHGVLDACLYILDRRGMPYGGRGDPVNVSRVISAMV
NSLDDNGVLIGNWSGDYSRGTNPSAWVGSVEILLSYL
RTGYSVPYQGQCWFAGVTTTTLRLCLGLATRTVTNFNS
AHDTDTSLTMDIYFDENMKPLEHLNHDSVWNFHVWN
DCWMKRPDLPSGFDGWQVVDATPQETSSGIFCCGPG
SVESIKNGLVYMKYDTPFIFAEVNSDKVYWQRQDDGS
FKIVYVEEKAIGTLIVTKAISSNMREDITYLYKHPEGSDA
ERKAVETAAAHGSKPNVYANRGS AEDVAMQVEAQDA
VMGQDLMVSVMLINHSSSRRTVKLHLYLSVTFYTGVS
GTIFKETKKEVELAPGASDRVTMPVAYKEYRPHLVDQ
GAMLLNVSGHVKEGQVLAKQHTFRLRTPDLSLTLLG
AAVVGQECEVQIVFKNPLPVTLTNNVFRLEGSLQRP
KILNVGDIGGNETVTLRQSFVPVRPGPRQLIASLDSQ
LSQVHGVIQVDVAPAPGDGGFFSDAGGDSHLGETIPM
ASRGGA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 115.5

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression](#)

[system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 7051

Gene Symbol: TGM1

Gene Alias: ICR2, KTG, LI, LI1, TGASE, TGK

Gene Summary: The protein encoded by this gene is a membrane protein that catalyzes the addition of an alkyl group from an alkylamine to a glutamine residue of a protein, forming an alkylglutamine in the protein. This protein alkylation leads to crosslinking of proteins and catenation of polyamines to proteins. This gene contains either one or two copies of a 22 nt repeat unit in its 3' UTR. Mutations in this gene have been associated with autosomal recessive lamellar ichthyosis (LI) and nonbullous congenital ichthyosiform erythroderma (NCIE). [provided by RefSeq]

References:

1. Improvement of protein immobilization for the elaboration of tumor-associated antigen microarrays: Application to the sensitive and specific detection of tumor markers from breast cancer sera. Yang Z, Chevotot Y, Gehin T, Solassol J, Mange A, Souteyrand E, Laurenceau E. Biosensors and Bioelectronics, <http://dx.doi.org/10.1016/j.bios.2012.08.019>