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TGM2, 1-687aa, Human, His tag, E.coli

产品货号: TP04196

第三版

别名:Protein-glutamine gamma-glutamyltransferase 2 isoform a, Transglutaminase 2, G-ALPHA-h, GNAH, HEL-S-45, TG2; TGC

描述:TGM2 also known as Protein-glutamine gamma-glutamyltransferase 2. Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. TGM2 acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Recombinant human TGM2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

分子量:79.7kDa (710aa)

序列:

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MGSSHHHHHSSGLVPRGSHMGSM AEELVLERCDLELETNGRDHHTADLCREKLVVRRGQPFWLTLHFEGRN YEASV
DSLTFVVTGPAPSQEAGTKARFPLRDAVEEGDWTATVVDQQDCTLSLQLTTPANAPIGLYRLSLEASTGYQGSFVLGHFI
LLFNAWCPADAVYLDSEEEERQEYVLTQQGFYIYQGS AKFIKNIPWNFGQFEDGILDICLILLDVNPKFLKNAGRDCSRRSSPV
YVGRVVSGMVN CNDDQGVLLGRWDN NYGDGVSPMSWIGSVDILRRWKNHGCQRVKYQGCWVFAAVACTVLRCLGI
PTRVVTNYNSAHDQNSNLLIEYFRNEFGEIQGDKSEMIWNFHCWVESWMTRPDLQPGYEGWQALDPTPQEKSEGTYCC
GPVPVRAIKEGDLSTKYDAPFVFAEVNADVVDWIQQDDG SVHKSINRSLIVGLKISTKSVGRDEREDITHTYKYPEGSSEER
EAFTRANHLNKLAEKEETGMAMRIRVGQSMNMGSDFDVFAHITNNTAE EYVCRLLLCARTVSYNGILGPECGTKYLLNL
NLEPFSEKSVPLC ILYEKYRDCLTESNLIKVRALLVEPVINSYLLAERDLYLENPEIKIRILGEPKQKRKLVAEVS LQNPLPVALE
GCTFTVEGAGL TEEQKTVEIPDPVEAGEEVKVRMDLLPLHMGLHKL VVNFE SDKLKAVKGFNRNVIIGPA
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纯度:> 95% by HPLC

浓度:0.5mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.