

Recombinant Human Protein-glutamine gamma-glutamyltransferase 2(TGM2)

Catalog No: #AP70845

Package Size: #AP70845-1 20ug #AP70845-2 100ug #AP70845-3 1mg

Description

Product Name	Recombinant Human Protein-glutamine gamma-glutamyltransferase 2(TGM2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:4-544aaSequence Info:Full Length of Isoform 2
Other Names	Tissue transglutaminaseTransglutaminase C ;TG(C) ;TGC ;TGase CTransglutaminase H ;TGase HTransglutaminase-2 ;TGase-2
Accession No.	P21980
Calculated MW	76.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ELVLERCDLELETNGRDHHTADLCREKLVRRGQPFWLTLHFEGRNYEASVDSLTFSSVTGPAPSQEAGTKA RFPLRDAVEEGDWTATVVDQDCTLSLQLTPANAPIGLYRLSLEASTGYQGSSFVLGHFILLFNAWCPADAV YLDSEERQEYVLTQQGFYQGSAGFIKNIPWNFGQFEDGILDICILLVDNPKFLKNAGRDCSRRSSPVYVGR VVGSMVNCNDDQGVLGRWDNNYGDGVSPMSWIGSVSDILRRWKNHGCQRVKYQQCWVFAAVACTVLRCL GIPTRVVTNYSAHQDQNSNLLIEYFRNEFGIQQDKSEMIWNFHCWVESWMTRPDLQPGYEGWQALDPTPQ EKSEGTGCCGPVPVRAIKEGDLSTKYDAPFVFAEVNADVVDWIQQDDGSVHKSINRSLIVGLKISTKSVGRDER EDITHTYKYPEGSSEEREAFTRANHLNKLAEKEETGMAMRIRVGQSMNMGSDFDVFAHITNNTAEEYVCRLLL CARTVSYNGILGPECCKTYLLNLEPFSGKALCS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.

References

NIEHS SNPs programThe DNA sequence and comparative analysis of human chromosome 20.Deloukas P., Matthews L.H., Ashurst J.L., Burton J., Gilbert J.G.R., Jones M., Stavrides G., Almeida J.P., Babbage A.K., Bagguley C.L., Bailey J., Barlow K.F., Bates K.N., Beard L.M., Beare D.M., Beasley O.P., Bird C.P., Blakey S.E., Bridgeman A.M., Brown A.J., Buck D., Burrill W.D., Butler A.P., Carder C., Carter N.P., Chapman J.C., Clamp M., Clark G., Clark L.N., Clark S.Y., Clee C.M., Clegg S., Cobley V.E., Collier R.E., Connor R.E., Corby N.R., Coulson A., Coville G.J., Deadman R., Dhami P.D., Dunn M., Ellington A.G., Frankland J.A., Fraser A., French L., Garner P., Grafham D.V., Griffiths C., Griffiths M.N.D., Gwilliam R., Hall R.E., Hammond S., Harley J.L., Heath P.D., Ho S., Holden J.L., Howden P.J., Huckle E., Hunt A.R., Hunt S.E., Jekosch K., Johnson C.M., Johnson D., Kay M.P., Kimberley A.M., King A., Knights A., Laird G.K., Lawlor S., Leheslahti M.H., Leversha M.A., Lloyd C., Lloyd D.M., Lovell J.D., Marsh V.L., Martin S.L., McConnell L.J., McLay K., McMurray A.A., Milne S.A., Mistry D., Moore M.J.F., Mullikin J.C., Nickerson T., Oliver K., Parker A.,

Patel R., Pearce T.A.V., Peck A.I., Phillimore B.J.C.T., Prathalingam S.R., Plumb R.W., Ramsay H., Rice C.M., Ross M.T., Scott C.E., Sehra H.K., Shownkeen R., Sims S., Skuce C.D., Smith M.L., Soderlund C., Steward C.A., Sulston J.E., Swann R.M., Sycamore N., Taylor R., Tee L., Thomas D.W., Thorpe A., Tracey A., Tromans A.C., Vaudin M., Wall M., Wallis J.M., Whitehead S.L., Whittaker P., Willey D.L., Williams L., Williams S.A., Wilming L., Wray P.W., Hubbard T., Durbin R.M., Bentley D.R., Beck S., Rogers J. Nature 414:865-871(2001) Research Topic: Immunology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.