

Recombinant Mouse TGM2/Transglutaminase 2 Protein (His Tag)

Catalog No. PKSM041171

Note: Centrifuge before opening to ensure complete recovery of vial contents.

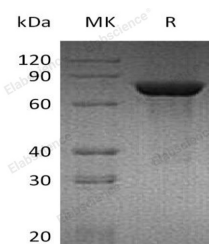
Description

Synonyms	Protein-glutamine gamma-glutamyltransferase 2;Tgm2;Tissue transglutaminase;Transglutaminase C;TGase-2
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Ala2-Ala686
Accession	P21981
Calculated Molecular Weight	78.0 kDa
Observed molecular weight	70-90 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Protein-glutamine gamma-glutamyltransferase 2 (TGM2) is a 78-kDa, calcium dependent enzyme. It belongs to the transglutaminase superfamily and transglutaminase family. The protein encoded by this TGM2 gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. TGM2 is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene.

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