

Product datasheet

Recombinant Human Transglutaminase 5/TGM5 protein ab160436

1 Image

Description

Product name	Recombinant Human Transglutaminase 5/TGM5 protein	
Expression system	Wheat germ	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	FKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLH DGSPSPFWQ DTAFITLSPKEAKTYPCKISYSQYSQYLSTDKLIRISALGEEK SSPEKIL	
Amino acids	511 to 610	
Tags	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab160436** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	This product was previously labelled as Transglutaminase 5.

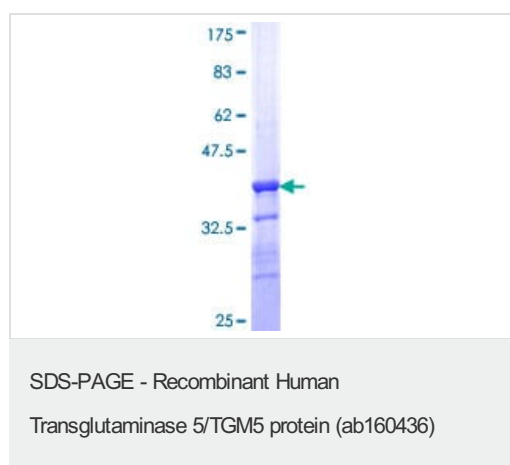
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Contributes to the formation of the cornified cell envelope of keratinocytes.
Tissue specificity	Expressed in foreskin keratinocytes.
Involvement in disease	Defects in TGM5 are a cause of peeling skin syndrome type A (APSS) [MIM:609796]. A non-inflammatory form of peeling skin syndrome, a genodermatosis characterized by the continuous shedding of the outer layers of the epidermis. In APSS patients, skin peeling is strictly limited to the dorsa of the hands and feet, and it is accompanied by painless erythema and spontaneous non-scarring healing. Ultrastructural and histological analysis shows a level of blistering high in the epidermis at the stratum granulosum-stratum corneum junction.
Sequence similarities	Belongs to the transglutaminase superfamily. Transglutaminase family.
Cellular localization	Cytoplasm. Associated with intermediate filaments.

Images



ab160436 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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