

Product datasheet

Recombinant Human Filaggrin protein (His tag)
ab240777

1 Image

Description

Product name	Recombinant Human Filaggrin protein (His tag)	
Purity	> 90 % SDS-PAGE.	
Expression system	Yeast	
Accession	P20930	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	DSSRHSQSGQGESAGSRRSRRQGSSVSQDSDSEAYPE DSERRSESASRNH HGSSREQSRDGSRHPGSSHRDTASHVQSSPVQSDSSTA KEHGHFSSLSQD SAYHSGIQSRGSPHSSSSYHYQSEGTERQKQGQGLVWRH GSYGSADYDYG ESGFRHSQHGSVSYNSNPVVKERSDICKASAFGKDHPR YYATYINKDPG LCGHSSDISKQLGFSQSQRYYYYE	
Predicted molecular weight	27 kDa including tags	
Amino acids	3838 to 4061	
Additional sequence information	N-terminal 6xHis-tagged.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab240777** in the following tested applications.

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

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

General Info

Function

Aggregates keratin intermediate filaments and promotes disulfide-bond formation among the intermediate filaments during terminal differentiation of mammalian epidermis.

Tissue specificity

Keratohyalin granules.

Involvement in disease

Ichthyosis vulgaris
Dermatitis atopic 2

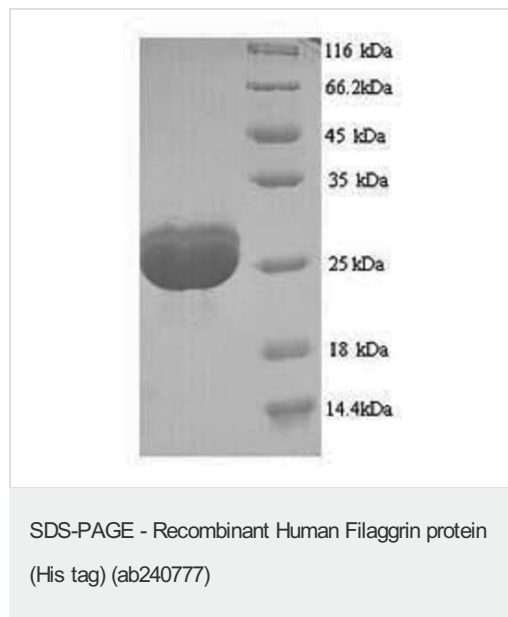
Sequence similarities

Belongs to the S100-fused protein family.
Contains 2 EF-hand domains.
Contains 23 filaggrin repeats.

Post-translational modifications

Filaggrin is initially synthesized as a large, insoluble, highly phosphorylated precursor containing many tandem copies of 324 AA, which are not separated by large linker sequences. During terminal differentiation it is dephosphorylated and proteolytically cleaved. The N-terminal of the mature protein is heterogeneous, and is blocked by the formation of pyroglutamate. Undergoes deimination of some arginine residues (citrullination).

Images



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel analysis of ab240777.

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