

FLG Protein, Human (P.pastoris, His)

Cat. No.:	HY-P71734
Synonyms:	ATOD2; Epidermal filaggrin; Filaggrin; Filaggrin precursor; Fillagrin; FLG; Profilaggrin
Species:	Human
Source:	P. pastoris
Accession:	P20930 (3838D-4061E)
Gene ID:	2312
Molecular Weight:	Approximately 26.8 kDa

PROPERTIES

AA Sequence	<p>D S S R H S Q S G Q G E S A G S R R S R R Q G S S V S Q D S D S E A Y P E D S E</p> <p>R R S E S A S R N H H G S S R E Q S R D G S R H P G S S H R D T A S H V Q S S P</p> <p>V Q S D S S T A K E H G H F S S L S Q D S A Y H S G I Q S R G S P H S S S S Y H</p> <p>Y Q S E G T E R Q K G Q S G L V W R H G S Y G S A D Y D Y G E S G F R H S Q H G</p> <p>S V S Y N S N P V V F K E R S D I C K A S A F G K D H P R Y Y A T Y I N K D P G</p> <p>L C G H S S D I S K Q L G F S Q S Q R Y Y Y Y E</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>FLG, a crucial protein in the mammalian epidermis, plays a pivotal role in the terminal differentiation process by aggregating keratin intermediate filaments and facilitating the formation of disulfide bonds among these filaments. This function underscores the significance of FLG in the structural organization and integrity of the epidermis during the final stages of cellular differentiation.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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