

Recombinant Human FLG2 protein, His-tagged

Cat. No. FLG2-1604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLG2 aa. (Val1915~Arg2143 (Accession # Q5D862)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val1915~Arg2143
Description	The filaggrin-like protein encoded by this gene is upregulated by calcium, proteolyzed by calpain 1, and is involved in epithelial homeostasis. The encoded protein is required for proper cornification in skin, with defects in this gene being associated with skin diseases. This protein also has a function in skin barrier protection. In fact, in addition to providing a physical barrier, C-terminal fragments of this protein display antimicrobial activity against P. aeruginosa.
Form	Freeze-dried powder
Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	7.7

GENE INFORMATION

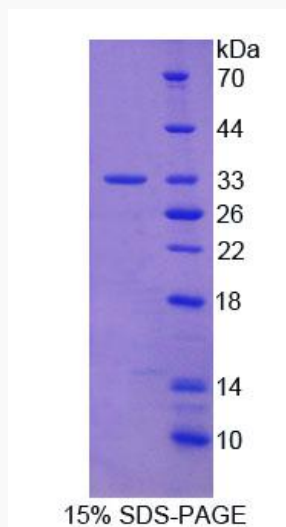
Gene Name	FLG2 filaggrin family member 2 [Homo sapiens (human)]
Official Symbol	FLG2
Synonyms	FLG2; filaggrin family member 2; IFPS; filaggrin-2; ifapsoriasis; intermediate filament-associated and psoriasis susceptibility protein
Gene ID	388698
mRNA Refseq	NM_001014342.2
Protein Refseq	NP_001014364.1
UniProt ID	Q5D862

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SDS-PAGE



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