

Recombinant Human FLG, GST-tagged

Cat. No. FLG-1221H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Filaggrin Human Recombinant (a.a. 3838-4062) expressed in E.coli , shows a 53 kDa SDS-PAGE (Including GST). The Filaggrin is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	3838-4062 a.a.
Description	The protein encoded by this gene is an intermediate filament-associated protein that aggregates keratin intermediate filaments in mammalian epidermis. It is initially synthesized as a polyprotein precursor, profilaggrin (consisting of multiple filaggrin units of 324 aa each), which is localized in keratohyalin granules, and is subsequently proteolytically processed into individual functional filaggrin molecules. Mutations in this gene are associated with ichthyosis vulgaris.
Form	Sterile Filtered clear solution. Filaggrin at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20.0% Glycerol.
Molecular Mass	53 kDa
Applications	ELISA; Inhibition Assays; Western Blotting
Stability	When stored at the recommended temperature, this protein is stable for 12 months.

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Storage Store vial at -20°C to -80°C. Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name FLG filaggrin [Homo sapiens (human)]

Official Symbol FLG

Synonyms FLG; ATOD2; filaggrin; epidermal filaggrin

Gene ID 2312

mRNA Refseq NM_002016

Protein Refseq NP_002007

MIM 135940

UniProt ID P20930

**Chromosome
Location** 1q21.3

Pathway AhR pathway

Function calcium ion binding; structural molecule activity

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