# Recombinant Human FLG, GST-tagged

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

## SPECIFICATION

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| **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

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| **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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