

Recombinant Human KRT15 protein, His-tagged

Cat. No. KRT15-2722H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human KRT15 aa. (Glu105~Glu411 (Accession # P19012)) fused with N-terminal His tag was produced in E. coli cells. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Glu105~Glu411 |
| Description | The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region on chromosome 17q21.2. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 37.1kDa |
| Endotoxin | <1.0EU per 1g (determined by the LAL method) |
| Purity | >95% |
| Characteristic | The isoelectric point is 4.7. |

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|-----------------------|---|
| Applications | SDS-PAGE; WB; ELISA; IP. |
| 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 PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl. |
| Reconstitution | Reconstitute in sterile PBS, pH7.2-pH7.4. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | KRT15 keratin 15 [Homo sapiens (human)] |
| Official Symbol | KRT15 |
| Synonyms | K15; CK15; K1CO; CK-15; cytokeratin 15; keratin 15, type I; keratin-15, basic; keratin-15, beta; type I cytoskeletal 15; keratin, type I cytoskeletal 15 |
| Gene ID | 3866 |
| mRNA Refseq | NM_002275.3 |
| Protein Refseq | NP_002266.2 |
| UniProt ID | P19012 |

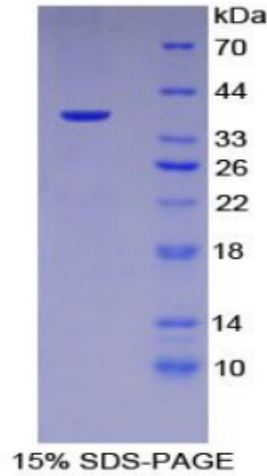
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SDS-PAGE



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