

# Recombinant Human KRT34 Protein, GST-tagged

**Cat. No.** KRT34-4852H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Product Overview</b> | Human KRT34 full-length ORF ( AAH41070.1, 1 a.a. - 436 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | The protein encoded by this gene is a member of the keratin gene family. As a type I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails. The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. [provided by RefSeq]                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 75.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>MLYAKPPPTINGIKGLQRKERLKPAAHIHLQQLTCFSITCSSTMSYSCCLPSLGCRSTC</p> <p>SSRPCVPPSCHGYTLPGACNIPANVSNCNWFCEGSFNGSEKETMQFLNDRLASYL</p> <p>EKVRQLERDNAELEKLIQERSQQQEPLLCPSYQSYFKTIEELQQKILCAKAENARLVV</p> <p>NIDNAKLASDDFRSKYQTEQSLRLLVESDINSIRRILDELTLCCKSDLESQVESLREELIC</p> <p>LKKNHHEEEVNTLRSQLGDRLNVEVDLTAPTVDLNQVLNETRSQYEALVETNRREVEQ</p> <p>WFATQTEELNKQVVSSEQLQSCQAEIIELRRTVNALEIELQAQHNLRDSLENTLTES</p> <p>EAHYSSQLSQVQSLITNVESQLAEIRCDLERQNQEYQVLLDVRARLECEINTYRSLL</p> <p>SEDCKLPCNPCATTNASGNSCGPCGTSQKGCCN</p> |
| <b>Applications</b>     | <p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                  |

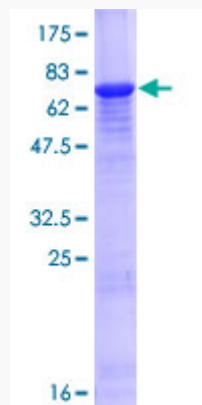
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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                                                                                                                                     |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                   |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | KRT34 keratin 34 [ Homo sapiens ]                                                                                                                                                                                                        |
| <b>Official Symbol</b>  | KRT34                                                                                                                                                                                                                                    |
| <b>Synonyms</b>         | KRT34; keratin 34; keratin, hair, acidic, 4 , KRTHA4; keratin, type I cuticular Ha4; Ha 4; hard keratin type I 4; K34; keratin-34; hard keratin, type I, 4; hair keratin, type I Ha4; keratin, hair, acidic, 4; HA4; Ha-4; hHa4; KRTHA4; |
| <b>Gene ID</b>          | 3885                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_021013                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_066293                                                                                                                                                                                                                                |
| <b>MIM</b>              | 602763                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | O76011                                                                                                                                                                                                                                   |

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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