

# Recombinant Full Length Human KRTAP4-5 Protein, GST-tagged

**Cat. No.** KRTAP4-5-5824HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Human KRTAP4-5 full-length ORF ( AAI60148.1, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 181 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This protein is a member of the keratin-associated protein (KAP) family. The KAP proteins form a matrix of keratin intermediate filaments which contribute to the structure of hair fibers. KAP family members appear to have unique, family-specific amino- and carboxyl-terminal regions and are subdivided into three multi-gene families according to amino acid composition: the high sulfur, the ultrahigh sulfur, and the high tyrosine/glycine KAPs. This protein is a member of the ultrahigh sulfur KAP family and the gene is localized to a cluster of KAPs at 17q12-q21. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 20 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MVSSCCGSVSSEQSCGLENCCRPSCCQTTCCRTTCCRPSCCKPQCCQSVCYQPT<br>CCHPSCCIISSCRPYCCESSCCRPCCCQTTCCRTTCCRTTCCCPSCCVSSCCRPQ<br>CCQSVCCQPTCCRPSCCIISSCCHPSCCESSCCRPCCCVRPVCGRVSCHTTCYRPT<br>CVISTCPRPLCCASSCC                                                                                                                                                                                                                                                                                                                                                                                                         |

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| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>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>        | KRTAP4-5 keratin associated protein 4-5 [ Homo sapiens (human) ]                                                                                                            |
| <b>Official Symbol</b>  | KRTAP4-5                                                                                                                                                                    |
| <b>Synonyms</b>         | KRTAP4-5; keratin associated protein 4-5; KAP4.5; KRTAP4.5; keratin-associated protein 4-5; keratin-associated protein 4.5; ultrahigh sulfur keratin-associated protein 4.5 |
| <b>Gene ID</b>          | 85289                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_033188                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_149445                                                                                                                                                                   |
| <b>UniProt ID</b>       | Q9BYR2                                                                                                                                                                      |