

# Keratin, type II cytoskeletal 8 Recombinant Protein | KRT8 recombinant protein

Recombinant Human Keratin, type II cytoskeletal 8

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| CATALOG #<br><b>AAA114101</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

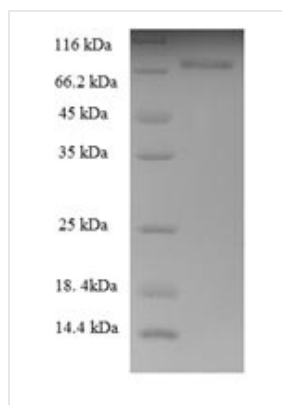
## PRODUCT SYNONYMS

Keratin; type II cytoskeletal 8; Recombinant Human Keratin; Cytokeratin-8; CK-8; Keratin-8; K8; Type-II keratin Kb8; KRT8 recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Positions      | 2-483aa; partial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence                | SIRVTQKSYK VSTSGPRAFS SRSYTSGPS RISSSSF SRV GSSNFRGGLG GGYGGASGMG GITAVTVNQS<br>LLSPLVLEVD PNIQAVRTQE KEQIKTLNNK FASFDKVR F LEQQNKMLET KWSLLQQQKT ARSNMDNMFE<br>SYINNLRRL ETLGQEKLKL EAE LGNMQGL VEDFKNKYED EINKRTEMEN EFVLIKKDVD EAYMNKVELE<br>SRLEGLTDEI NFLRQLYEEE IRELQSQISD TSVVLSMDNS RSLDMD SIIA EVKAQYEDIA NRSRAEAE SM<br>YQIKYEELQS LAGKHGDDL R RTKTEISEMN RNISRLQAEI EGLKGQRASL EAAIADAEQR GELAIKDANA<br>KLSELEAALQ RAKQDMARQL REYQELMNVK LALDIEIATY RKLLEGEESR LESGMQNMSI HTKTTSGYAG<br>GLSSAYGGLT SPGLSYSLGS SFGSGAGSSS FSRTSSSRV VVKKIETRDG KLVSESSDVL PK                                                                                                                                                                                                                   |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our <b>or email to</b> for more details. |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

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| Related Product Information for KRT8 recombinant protein | Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| Product Categories/Family for KRT8 recombinant protein   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| References                                               | Organization and sequence of the human gene encoding cytokeratin 8.Krauss S., Franke W.W.Gene 86:241-249(1990) Cloning and sequence of cDNA for human placental cytokeratin 8. Regulation of the mRNA in trophoblastic cells by cAMP.Yamamoto R., Kao L.C., McKnight C.E., Strauss J.F. IIIMol. Endocrinol. 4:370-374(1990) Embryonic simple epithelial keratins 8 and 18 chromosomal location emphasizes difference from other keratin pairs.Waseem A., Alexander C.M., Steel J.B., Lane E.B.New Biol. 2:464-478(1990) Phosphorylation of human keratin 8 in vivo at conserved head domain serine 23 and at epidermal growth factor-stimulated tail domain serine 431.Ku N.-O., Omary M.B.J. Biol. 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NCBI AND UNIPROT INFORMATION

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|-----------|-----------|
| NCBI GI # | 372466577 |
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|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 3856                                                                                           |
| NCBI Accession #                 | NP_001243222.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001256293.1                                                                                 |
| UniProt Accession #              | P05787; Q14099; Q14716; Q14717; Q53GJ0; Q6DHW5; Q6GMY0; Q6P4C7; Q96J60; A8K4H3; B0AZN5; F8VXB4 |
| Molecular Weight                 | 69.6 kDa                                                                                       |
| NCBI Official Full Name          | keratin, type II cytoskeletal 8 isoform 2                                                      |
| NCBI Official Synonym Full Names | keratin 8, type II                                                                             |
| NCBI Official Symbol             | KRT8                                                                                           |
| NCBI Official Synonym Symbols    | K8; KO; CK8; CK-8; CYK8; K2C8; CARD2                                                           |
| NCBI Protein Information         | keratin, type II cytoskeletal 8                                                                |
| UniProt Protein Name             | Keratin, type II cytoskeletal 8                                                                |
| UniProt Gene Name                | <b>KRT8</b>                                                                                    |
| UniProt Synonym Gene Names       | CYK8; CK-8; K8                                                                                 |
| UniProt Entry Name               | K2C8_HUMAN                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/krt8-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114101>