

Keratin, type II cytoskeletal 4 Recombinant Protein | KRT4 recombinant protein

Recombinant Human Keratin, type II cytoskeletal 4

CATALOG # AAA81669	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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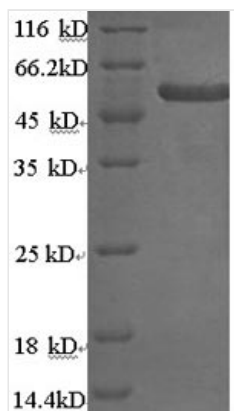
PRODUCT SYNONYMS

Keratin; type II cytoskeletal 4; Recombinant Human Keratin; Cytokeratin-4; CK-4; Keratin-4; K4; Type-II keratin Kb4; KRT4 recombinant protein

PRODUCT SPECIFICATIONS

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	1-534aa; Full Length (OLD version: https://www.uniprot.org/uniprot/P19013.txt?version=185)
Sequence	MIARQQCVRG GPRGFSCGSA IVGGGKRGAF SSVMSGGAG RCSSGGFGSR SLYNLRGNKS ISMSVAGSRQ GACFGGAGGF GTGGFGAGGF GAGFGTGGFG GGFGGSFSGK GPGGFPVCPA GGIQEVNTINQ SLLTPLHVEI DPEIQKVRTE EREQIKLLNN KFASFDKVQ FLEQQNKVLE TKWNLLQQQT TTTSSKNLEP LFETYLSVLR KQLDTLGNDK GRLQSELKTM QDSVEDFKTK YEEEINKRTA AENDFVVLKK DVDAAYLNKV ELEAKVDSL DEINFLKVLY DAELSQQMTH VSDTSVLSM DNNRNLDLDS IIAEVRAQYE EIAQRSKAEA EALYQTKVQQ LQISVDQHGD NLKNTKSEIA ELNRMIRQLR AEIENIKKC QTLQVSVADA EQRGENALKD AHSKRVELEA ALQQAKEELA RMLREYQELM SVKLALDIEI ATYRKLEGE EYRMSGECQS AVSISVVSGS TSTGGISGGL GSGSGFGLSS GFGSGSGSGF GFGGSVSGSS SSKIISTTTL NKRR
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

Product Categories/Family for KRT4 recombinant protein	Signal Transduction
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References

A mutation detection strategy for oral mucosal keratins K4, K13, and K2p in white sponge nevus.Cassidy A.J., Morley S.M., McLean W.H.I.The finished DNA sequence of human chromosome 12.Scherer S.E., Muzny D.M., Buhay C.J., Chen R., Cree A., Ding Y., Dugan-Rocha S., Gill R., Gunaratne P., Harris R.A., Hawes A.C., Hernandez J., Hodgson A.V., Hume J., Jackson A., Khan Z.M., Kovar-Smith C., Lewis L.R., Lozado R.J., Metzker M.L., Milosavljevic A., Miner G.R., Montgomery K.T., Morgan M.B., Nazareth L.V., Scott G., Sodergren E., Song X.-Z., Steffen D., Lovering R.C., Wheeler D.A., Worley K.C., Yuan Y., Zhang Z., Adams C.Q., Ansari-Lari M.A., Ayele M., Brown M.J., Chen G., Chen Z., Clerc-Blankenburg K.P., Davis C., Delgado O., Dinh H.H., Draper H., Gonzalez-Garay M.L., Havlak P., Jackson L.R., Jacob L.S., Kelly S.H., Li L., Li Z., Liu J., Liu W., Lu J., Maheshwari M., Nguyen B.-V., Okwuonu G.O., Pasternak S., Perez L.M., Plopper F.J.H., Santibanez J., Shen H., Tabor P.E., Verduzco D., Waldron L., Wang Q., Williams G.A., Zhang J., Zhou J., Allen C.C., Amin A.G., Anyalebechi V., Bailey M., Barbaria J.A., Bimage K.E., Bryant N.P., Burch P.E., Burkett C.E., Burrell K.L., Calderon E., Cardenas V., Carter K., Casias K., Cavazos I., Cavazos S.R., Ceasar H., Chacko J., Chan S.N., Chavez D., Christopoulos C., Chu J., Cockrell R., Cox C.D., Dang M., Dathorne S.R., David R., Davis C.M., Davy-Carroll L., Deshazo D.R., Donlin J.E., D'Souza L., Eaves K.A., Egan A., Emery-Cohen A.J., Escotto M., Flagg N., Forbes L.D., Gabisi A.M., Garza M., Hamilton C., Henderson N., Hernandez O., Hines S., Hogues M.E., Huang M., Idlebird D.G., Johnson R., Jolivet A., Jones S., Kagan R., King L.M., Leal B., Lebow H., Lee S., LeVan J.M., Lewis L.C., London P., Lorensuhewa L.M., Loulseged H., Lovett D.A., Lucier A., Lucier R.L., Ma J., Madu R.C., Mapua P., Martindale A.D., Martinez E., Massey E., Mawhiney S., Meador M.G., Mendez S., Mercado C., Mercado I.C., Merritt C.E., Miner Z.L., Minja E., Mitchell T., Mohabbat F., Mohabbat K., Montgomery B., Moore N., Morris S., Munidasa M., Ngo R.N., Nguyen N.B., Nickerson E., Nwaokelemeh O.O., Nwokenkwo S., Obregon M., Oguh M., Oragunye N., Oviedo R.J., Parish B.J., Parker D.N., Parrish J., Parks K.L., Paul H.A., Payton B.A., Perez A., Perrin W., Pickens A., Primus E.L., Pu L.-L., Puazo M., Quiles M.M., Quiroz J.B., Rabata D., Reeves K., Ruiz S.J., Shao H., Sisson I., Sonaike T., Sorelle R.P., Sutton A.E., Svatek A.F., Svetz L.A., Tamerisa K.S., Taylor T.R., Teague B., Thomas N., Thorn R.D., Trejos Z.Y., Trevino B.K., Ukegbu O.N., Urban J.B., Vasquez L.I., Vera V.A., Villasana D.M., Wang L., Ward-Moore S., Warren J.T., Wei X., White F., Williamson A.L., Wleczyk R., Wooden H.S., Wooden S.H., Yen J., Yoon L., Yoon V., Zorrilla S.E., Nelson D., Kucherlapati R., Weinstock G., Gibbs R.A.Nature 440:346-351(2006) Allelic variations of human keratins K4 and K5 provide polymorphic markers within the type II keratin gene cluster on chromosome 12.Wanner R., Foerster H.-H., Tilmans I., Mischke D.J. Invest. Dermatol. 100:735-741(1993) Molecular characterization and expression of the stratification-related cytokeratins 4 and 15.Leube R.E., Bader B.L., Bosch F.X., Zimbelmann R., Achtstaetter T., Franke W.W.J. Cell Biol. 106:1249-1261(1988) Wanner R., Tilmans I., Mischke D.Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) A glutamine insertion in the 1A alpha helical domain of the keratin 4 gene in a familial case of white sponge nevus.Terrinoni A., Candi E., Oddi S., Gobello T., Camaione D.B., Mazzanti C., Zambruno G., Knight R., Melino G.J. Invest. Dermatol. 114:388-391(2000) A novel mutation in the keratin 4 gene causing white sponge naevus.Chao S.C., Tsai Y.M., Yang M.H., Lee Jy J.Y.Br. J. Dermatol. 148:1125-1128(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	82654947
UniProt Accession #	P19013; Q6GTR8; Q96LA7; Q9BTL1; F8VS64
Molecular Weight	59.3 kDa
NCBI Official Full Name	Keratin, type II cytoskeletal 4
UniProt Protein Name	Keratin, type II cytoskeletal 4
UniProt Gene Name	KRT4
UniProt Synonym Gene Names	CYK4; CK-4; K4
UniProt Entry Name	K2C4_HUMAN

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