

Wilms tumor protein (WT1) Recombinant Protein | WT1 recombinant protein

Recombinant Human Wilms tumor protein (WT1)

CATALOG # AAA18474	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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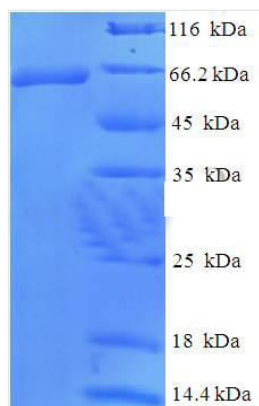
PRODUCT SYNONYMS

Wilms tumor protein (WT1); Recombinant Human Wilms tumor protein (WT1); WT33; WT1 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	1-449aa; Full Length Protein
Sequence	MGSDVRDLNA LLPAVPSLGG GGGCALPVSG AAQWAPVLDF APPGASAYGS LGGPAPPPAP PPPPPPPHS FIKQEPSWGG AEPHEEQCLS AFTVHFSGQF TGTAGACRYG PFGPPPPSQA SSGQARMFPN APYLPSCLES QPAIRNQGYs TVTFDGTpsy GHTPSHHAAQ FPNHSFKHED PMGQQGSLGE QQYSVPPPVY GCHTPTDSCT GSQALLLRTP YSSDNLYQMT SQLECMTNWQ MNLGATLKV AAGSSSSVKW TEGQSNHSTG YESDNHTTPI LCGAQYRIHT HGVFRGIQDV RRVPGVAPTL VRSASETSEK RPFMCAYPGC NKRYFKLSHL QMHSRKHTGE KPYQCDFKDC ERRFSRSDQL KRHQRRTGV KPFQCKTCQR KFSRSDHLKT HTRTHTGKTS EKPFCRWPS CQKKFARSDE LVRHHNMHQR NMTKLQLAL
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

Related Product Information for WT1 recombinant protein	Transcription factor that plays an important role in cellular development and cell survival. Regulates the expression of numerous target genes, including EPO. Plays an essential role for development of the urogenital system. Recognizes and binds to the DNA sequence 5'-CGCCCCGC-3'. It has a tumor suppressor as well as an oncogenic role in tumor formation. Function may be isoform-specific: isoforms lacking the KTS motif may act as transcription factors. Isoforms containing the KTS motif may bind mRNA and play a role in mRNA metabolism or splicing. Isoform 1 has lower affinity for DNA, and can bind RNA.
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Product Categories/Family for WT1 recombinant protein	Transcription
References	Homozygous deletion in Wilms tumours of a zinc-finger gene identified by chromosome jumping. Gessler M., Poustka A., Cavenee W., Neve R.L., Orkin S.H., Bruns G.A.P. Nature 343:774-778(1990) Alternative splicing and genomic structure of the Wilms tumor gene WT1. Haber D.A., Sohn R.L., Buckler A.J., Pelletier J., Call K.M., Housman D.E. Proc. Natl. Acad. Sci. U.S.A. 88:9618-9622(1991) The genomic organization and expression of the WT1 gene. Gessler M., Konig A., Bruns G.A.P. Genomics 12:807-813(1992) Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S. Nat. Genet. 36:40-45(2004) NIEHS SNPs program Human chromosome 11 DNA sequence and analysis including novel gene identification. Taylor T.D., Noguchi H., Totoki Y., Toyoda A., Kuroki Y., Dewar K., Lloyd C., Itoh T., Takeda T., Kim D.-W., She X., Barlow K.F., Bloom T., Bruford E., Chang J.L., Cuomo C.A., Eichler E., FitzGerald M.G., Jaffe D.B., LaButti K., Nicol R., Park H.-S., Seaman C., Sougnez C., Yang X., Zimmer A.R., Zody M.C., Birren B.W., Nusbaum C., Fujiyama A., Hattori M., Rogers J., Lander E.S., Sakaki Y. Nature 440:497-500(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	65507714
NCBI GeneID	7490
NCBI Accession #	NP_000369.3
NCBI GenBank Nucleotide #	NM_000378.4
UniProt Accession #	P19544; Q15881; Q16256; Q16575; Q4VXV4; Q4VXV5; Q4VXV6; Q8IYZ5; A8K6S1; B3KSA5
Molecular Weight	51.2 kDa
NCBI Official Full Name	Wilms tumor protein isoform A
NCBI Official Synonym Full Names	Wilms tumor 1
NCBI Official Symbol	WT1
NCBI Official Synonym Symbols	GUD; AWT1; WAGR; WT33; NPHS4; WIT-2; EWS-WT1
NCBI Protein Information	Wilms tumor protein
UniProt Protein Name	Wilms tumor protein
UniProt Gene Name	WT1
UniProt Entry Name	WT1_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.