

Fizzy-related protein homolog Recombinant Protein | FZR1 recombinant protein

Recombinant Human Fizzy-related protein homolog

CATALOG #
AAA117466

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

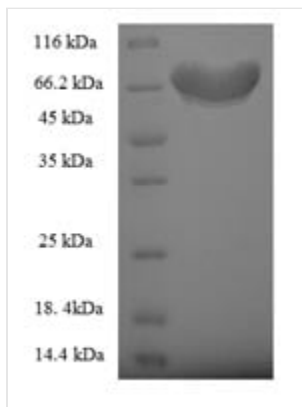
PRODUCT SYNONYMS

Fizzy-related protein homolog; Recombinant Human Fizzy-related protein homolog; CDC20-like protein 1Cdh1/Hct1 homolog; hCDH1; FZR1 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	1-493aa; Full Length of Isoform 2
Sequence	MDQDYERRLL RQIVIQNENT MPRVTEMRRT LTPASSPVSS PSKHGDRFIP SRAGANWSVN FHRINENEKS PSQNRKAKDA TSDNGKDGLA YSALLKNELL GAGIEKVQDP QTEDRRLQPS TPEKKGLFTY SLSTKRSSPD DGNDVSPYSL SPVSNKSQKL LRSPRKPTRK ISKIPFKVLD APELQDDFYI NLVDWSSLNV LSVGLGTCVY LWSACTSQVT RLCDSLVEGD SVTSVGWSEK GNLVAVGTHK GFVQIWDAAA GKKLSMLEGH TARVGALAWN AEQLSSGSRD RMILQRDIRT PPLQSERRLQ GHRQEVCGLK WSTDHQLLAS GGNDNKLLVW NHSSLSPVQQ YTEHLAAVKA IAWSPHQHGL LASGGGTADR CIRFWNTLTG QPLQCIDTGS QVCNLAWSKH ANELVSTHGY SQNQILVWKY PSLTQVAKLT GHSYRVLYLA MSPDGEAIVT GAGDETLRFW NVFSKTRSTK ESVSVNLFT RIR
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 FZR1 recombinant protein

Key regulator of ligase activity of the anaphase promoting complex/cyclosome (APC/C), which confers substrate specificity upon the complex. Associates with the APC/C in late mitosis, in replacement of CDC20, and activates the APC/C during anaphase and telophase. The APC/C remains active in degrading substrates to ensure that positive regulators of the cell cycle do not accumulate prematurely. At the G1/S transition FZR1 is phosphorylated, leading to its dissociation from the APC/C. Following DNA damage, it is required for the G2 DNA damage checkpoint: its dephosphorylation and reassociation with the APC/C leads to the ubiquitination of PLK1, preventing entry into mitosis.

Product Categories/Family for FZR1 recombinant protein	Cell Biology
References	Activation of the human anaphase-promoting complex by proteins of the CDC20/Fizzy family.Kramer E.R., Gieffers C., Hoelzl G., Hengstschlaeger M., Peters J.-M.Curr. Biol. 8:1207-1210(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	209969678
NCBI GeneID	51343
NCBI Accession #	NP_001129669.1
NCBI GenBank Nucleotide #	NM_001136197.1
UniProt Accession #	Q9UM11; O75869; Q86U66; Q96NW8; Q9UI96; Q9ULH8; Q9UM10; Q9UNQ1; Q9Y2T8
Molecular Weight	70.8 kDa
NCBI Official Full Name	fizzy-related protein homolog isoform 3
NCBI Official Synonym Full Names	fizzy/cell division cycle 20 related 1
NCBI Official Symbol	FZR1
NCBI Official Synonym Symbols	FZR; CDH1; FZR2; HCDH; HCDH1; CDC20C
NCBI Protein Information	fizzy-related protein homolog
UniProt Protein Name	Fizzy-related protein homolog
UniProt Gene Name	FZR1
UniProt Synonym Gene Names	CDH1; FYR; FZR; KIAA1242; Fzr; hCDH1
UniProt Entry Name	FZR_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.