

## Recombinant human Fizzy-related protein homolog

Catalog No: #AP71618



Package Size: #AP71618-1 20ug #AP71618-2 100ug #AP71618-3 1mg

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## Description

Product Name	Recombinant human Fizzy-related protein homolog
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-493aaSequence Info:Full Length of Isoform 2
Other Names	CDC20-like protein 1Cdh1,Hct1 homolog ;hCDH1
Accession No.	Q9UM11
Uniprot	Q9UM11
GenID	51343;
Calculated MW	70.8 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MDQDYERLLRQIVIQNENTMPRVTEMRRLLTPASSPVSSPSKHGDRFIPSRAGANWSVNFHRINENEKSPS QNRKAKDATSDNGKDGGLAYSALLKNELLGAGIEKVQDPQTEDRRLQPSTPEKKGLFTYSLSTKRSSPDDGND VSPYSLSPVSNKSQKLLRSRKPTRKISKIPFKVLDAPELQDDFYLNLDVWSSLNVLVGLGTCVYLWSACTSQ VTRLCDLSVEGDSVTSVGSWSEKGNLVAVGTHKGFVQIWDAAAGKKLSMLEGHTARV GALAWNAEQLSSGSR DRMILQRDIRTPPLQSERRLQGHRQEVCGLKWSTDHQLLASGGNDNKL VWNHSSLSPVQQYTEHLAAVKAI AWSPHQHGLLASGGGTADRCIRFWNTLTGQPLQCIDTGSQVCNLAWSKHANELVSTHGYSQNQILVWKYPS LTQVAKLTGHSYRVLYLAMSPDGEAIVTGAGDETLRFWNVFSKTRSTKESVSVLNLFTRIR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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 replacment of CDC20, and activates the APC,C during anaphase and telophase. The APC,C rains active in degrading substrates to ensure that positive regulators of the cell cycle do not accumulate praturely. 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.

## 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)Research Topic:Cell Biology

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Note: This product is for in vitro research use only