

TPX2 recombinant protein

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CATALOG # AAA72936	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TPX2; TPX2 recombinant protein; DIL2; p100; DIL-2; HCTP4; FLS353; HCA519; REPP86; C20orf1; C20orf2; GD:C20orf1

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>80%
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Concentration	0.2ug/ul (varies by lot)
Sequence Length	3685
Applicable Applications for TPX2 recombinant protein	WB (Western Blot), Kinase Assay
Type	Recombinant Fusion Protein
Species	Human
Tag Information	His tag
Expression System	Sf9 insect cells using baculovirus
Source Note	Recombinant full-length human TPX2 protein was expressed by baculovirus in Sf9 insect cells. This product can be used for Aurora A activation in vitro.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on Dry Ice.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TPX2 recombinant protein	Recombinant full-length human TPX2 protein was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. This product can be used for Aurora A activation in vitro. Scientific Background: TPX2 is a nuclear proliferation-associated protein whose expression is restricted to cell cycle phases S, G2, and M (1). It mainly expressed in the lung carcinoma cell lines and also found in adult placenta, skeletal muscle, thymus, testis, and small intestine and in fetal brain, liver, and kidney. TPX2 is required for targeting STK6 to the spindle apparatus, and that STK6 may regulate the function of TPX2 during spindle assembly. TPX2 is mainly function in mitotic spindle assembly likely contributes to its role in chromosome stability control and tumor suppression (2).
Product Categories/Family for TPX2 recombinant protein	Microtubule/Actin Associated Proteins ; Signaling Proteins - Microtubule/Actin Associated Proteins
References	1. Heidebrecht, H. J. et.al: p100: a novel proliferation-associated nuclear protein specifically restricted to cell cycle phases S, G2, and M. Blood 90: 226-233, 1997. 2. Joukov, V.et.al: The BRCA1/BARD1 heterodimer modulates Ran-dependent mitotic spindle assembly. Cell 127: 539-552, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40354199
NCBI GeneID	22974
NCBI Accession #	NP_036244.2
NCBI GenBank Nucleotide #	NM_012112
UniProt Accession #	Q9ULW0 ; Q9H1R4 ; Q9NRA3 ; Q9UFN9 ; Q9UL00 ; Q9Y2M1
Molecular Weight	~110 kDa
NCBI Official Full Name	Homo sapiens TPX2, microtubule-associated (TPX2), mRNA
NCBI Official Synonym Full Names	TPX2, microtubule-associated
NCBI Official Symbol	TPX2
NCBI Official Synonym Symbols	DIL2; p100; DIL-2; HCTP4; FLS353; HCA519; REPP86; C20orf1; C20orf2; GD:C20orf1
NCBI Protein Information	targeting protein for Xklp2; protein fls353; TPX2, microtubule-associated, homolog; differentially expressed in lung cells; TPX2, microtubule-associated protein homolog; preferentially expressed in colorectal cancer; hepatocellular carcinoma-associated antigen 519; restricted expression proliferation associated protein 100; restricted expression proliferation-associated protein 100; differentially expressed in cancerous and non-cancerous lung cells 2
UniProt Protein Name	Targeting protein for Xklp2
UniProt Gene Name	TPX2
UniProt Synonym Gene Names	C20orf1; C20orf2; DIL2; HCA519; DIL-2; p100
UniProt Entry Name	TPX2_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/tpx2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/72936>