

## Product datasheet for **TP760796**

### **CABLES1 (NM\_138375) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human Cdk5 and Abl enzyme substrate 1 (CABLES1), transcript variant 1, full length, with N-terminal HIS tag, expressed in E. coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length CABLES1
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	41.7 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_612384</a>
<b>Locus ID:</b>	91768
<b>UniProt ID:</b>	<a href="#">Q8TDN4</a> , <a href="#">A0A024RC20</a>
<b>RefSeq Size:</b>	4307
<b>Cytogenetics:</b>	18q11.2
<b>RefSeq ORF:</b>	1104
<b>Synonyms:</b>	CABL1; CABLES; HsT2563; IK3-1



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**Summary:**

This gene encodes a protein involved in regulation of the cell cycle through interactions with several cyclin-dependent kinases. One study (PMID: 16177568) reported aberrant splicing of transcripts from this gene which results in removal of the cyclin binding domain only in human cancer cells, and reduction in gene expression was shown in colorectal cancers (PMID: 17982127). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

**Product images:**