

# Product datasheet for TP760148

## CDC6 (NM\_001254) Human Recombinant Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Recombinant protein of human cell division cycle 6 homolog (S. cerevisiae) (CDC6), full length, with N-terminal HIS tag, expressed in E.Coli, 50ug Species: Human **Expression Host:** E. coli **Expression cDNA Clone** A DNA sequence encoding human full-length CDC6 or AA Sequence: N-His Tag: Predicted MW: 62.7 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. **RefSeq:** NP 001245 Locus ID: 990 **UniProt ID:** Q99741, A0A024R1S2 **RefSeq Size:** 3053 Cytogenetics: 17q21.2 **RefSeq ORF:** 1680 Synonyms: CDC18L; HsCDC6; HsCDC18; MGORS5



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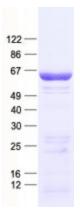
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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Summary: The protein encoded by this gene is highly similar to Saccharomyces cerevisiae Cdc6, a protein essential for the initiation of DNA replication. This protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cyle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cyle is regulated through its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins. [provided by RefSeq, Jul 2008]

Protein Pathways: Cell cycle

### **Product images:**



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