Recombinant Full Length Human ACD Protein, GST-tagged

Cat. No. ACD-776HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACD full-length ORF (AAH16904, 1 a.a. - 544 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	544 amino acids
Description	This gene encodes a protein that is involved in telomere function. This protein is one of six core proteins in the telosome/shelterin telomeric complex, which functions to maintain telomere length and to protect telomere ends. Through its interaction with other components, this protein plays a key role in the assembly and stabilization of this complex, and it mediates the access of telomerase to the telomere. Multiple transcript variants encoding different isoforms have been found for this gene. This gene, which is also referred to as TPP1, is distinct from the unrelated TPP1 gene on chromosome 11, which encodes tripeptidyl-peptidase I. [provided by RefSeq, Jul 2008]
Molecular Mass	61.2 kDa
AA Sequence	MGTEKESPEP DCQKQFQAAV SVIQNLPKNG SYRPSYEEML RFYSYYKQAT MGPCLVPRPG FWDPIGRYKW DAWNSLGKMS REEAMSAYIT EMKLVAQKVI DTVPLGEVAE DMFGYFEPLY QVIPDMPRPP ETFLRRVTGW KEQVVNGDVG AVSEPPCLPK EPAPPSPESH SPRDLDSEVF CDSLEQLEPE LVWTEQRAAS

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	GGKRDPRNSP VPPTKKEGLR GSPPGPQELD VWLLGTVRAL QESMQEVQAR VQSLESMPRP PEQRPQPRPS ARPWPLGLPG PALLFFLLWP FVVQWLFRMF RTQKR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ACD adrenocortical dysplasia homolog (mouse) [Homo sapiens]
Official Symbol	ACD
Synonyms	ACD; adrenocortical dysplasia homolog (mouse); adrenocortical dysplasia protein homolog; Pip1; POT1 and TIN2 organizing protein; Ptop; TIN2 interacting protein 1; Tint1; Tpp1; POT1 and TIN2-interacting protein; PIP1; PTOP; TPP1; TINT1
Gene ID	65057
mRNA Refseq	NM_001082486
Protein Refseq	NP_001075955
MIM	609377

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UniProt ID	Q96AP0

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