

Recombinant Human CDC27, GST-tagged

Cat. No. CDC27-11003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDC27 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Description	This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail, and requires vesicular acidification to bind lipid antigens.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

 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

GENE INFORMATION

Gene Name	CDC27 cell division cycle 27 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	CDC27
Synonyms	CDC27; cell division cycle 27 homolog (<i>S. cerevisiae</i>); cell division cycle 27 , D17S978E, D0S1430E; cell division cycle protein 27 homolog; ANAPC3; anaphase promoting complex subunit 3; APC3; NUC2; H-NUC; nuc2 homolog; CDC27 homolog; anaphase-promoting complex subunit 3; anaphase-promoting complex, protein 3; HNUC; CDC27Hs; D0S1430E; D17S978E;
Gene ID	996
mRNA Refseq	NM_001114091
Protein Refseq	NP_001107563
MIM	116946
UniProt ID	P30260
Chromosome Location	17q21.32
Pathway	APC/C complex, organism-specific biosystem; APC/C complex, conserved biosystem; APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted

 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

proteins in late mitosis/early G1, organism-specific biosystem;

Function

protein binding; protein phosphatase binding;

 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