

## Recombinant Human CDCA8, His-tagged

Cat. No. CDCA8-11027H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CDCA8 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 1-280a.a.

**Description** This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

<b>Gene Name</b>	CDCA8 cell division cycle associated 8 [ Homo sapiens ]
<b>Official Symbol</b>	CDCA8
<b>Synonyms</b>	CDCA8; cell division cycle associated 8; borealin; BOR; DasraB; FLJ12042; MESRGP; Dasra B; dasra-B; hDasra-B; cell division cycle-associated protein 8; pluripotent embryonic stem cell-related gene 3 protein; BOREALIN; FLJ10468;
<b>Gene ID</b>	55143
<b>mRNA Refseq</b>	NM_001256875
<b>Protein Refseq</b>	NP_001243804
<b>MIM</b>	609977
<b>UniProt ID</b>	Q53HL2
<b>Chromosome Location</b>	1p34.3
<b>Pathway</b>	Aurora B signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;
<b>Function</b>	protein binding;

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