Recombinant Human CD302, His-tagged

Cat. No. CD302-10944H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD302 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-170a.a.
Description	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. Knockout studies of the homologous gene in mouse suggest the essential roles of this gene in ovarian granulosa and germ cell proliferation. High level expression of this gene was observed in ovarian and testicular tumors.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM

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	Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CD302 CD302 molecule [Homo sapiens]
Official Symbol	CD302
Synonyms	DCL1; DCL-1; BIMLEC; CLEC13A; CD302 antigen; DEC205-associated C-type lectin 1; C-type lectin domain family 13, member A; type I transmembrane C-type lectin receptor DCL-1; CD302 molecule; Type I transmembrane C-type lectin receptor DCL-1; KIAA0022; C-type lectin BIMLEC; DCL1; C-type lectin domain family 13 member A; BIMLEC
Gene ID	9936
mRNA Refseq	NM_014880.4
Protein Refseq	NP_055695.2
MIM	612246
UniProt ID	Q8IX05
Chromosome Location	2q24.2
Function	carbohydrate binding;

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