

CaD2 | 400138

CaD2

Description	CaD2 is a recombinant protein derived from the CaD2 gene, which encodes a protein of 338 amino acids. It is a member of the C3H family of proteins. The protein is expressed in E. coli and purified by ion exchange chromatography. It is a monomeric protein with a molecular weight of approximately 35 kDa. It is stable at 4°C and can be stored in a buffer containing 0.1% BSA and 0.02% sodium azide.
Organism	Human
Tissue	Brain, testis, ovary
Disease	Alzheimer's disease

CaD2

Breed/Subspecies	DBA/2
Age	6 weeks
Gender	Male
Morphology	Normal
Growth properties	Normal

CaD2

Citation	CaD2 (Cytion 400138)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_5714

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Viruses	MAP, Adenovirus, B.piliformis, Reo 3, PVM, LCM, M.pulmonis, MVM, Theiler's GD VII, Toolan's H
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Culture Medium DMEM, w: 4.5 g/L $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 4 mM L- Asparagine , w: 3.7 g/L NaHCO_3 , w: 1.0 mM $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ (Cytion 820300a)

Supplements $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ 10% FBS

Dissociation Reagent $\text{CaCl}_2 \cdot \text{H}_2\text{O}$

Subculturing Cells are grown in 25 cm² flasks in DMEM supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is changed every 2-3 days.

Seeding density 5×10^4 cells/cm²

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are thawed in a water bath at 37°C and seeded into flasks. The medium is changed every 24 hours.

Freeze medium Cells are grown in DMEM supplemented with 10% FBS. For freezing, the medium is replaced with DMEM supplemented with 10% DMSO and 10% FBS.

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C and seeded into flasks.
2. The medium is changed every 24 hours.
3. Cells are grown in DMEM supplemented with 10% FBS.
4. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.
5. The medium is changed every 2-3 days.
6. Cells are grown in DMEM supplemented with 10% FBS.
7. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.
8. The medium is changed every 2-3 days.

Incubation Atmosphere 37°C, 5% CO_2 , humidified

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Flask Coating

Flask Coating

Freezing Procedure

Freezing Procedure: The cells should be frozen in a controlled manner. The freezing medium should be added to the cells and the mixture should be incubated at -78°C for 24 hours.

Shipping Conditions

Shipping Conditions: The cells should be shipped in a controlled manner. The shipping medium should be added to the cells and the mixture should be incubated at -78°C for 24 hours.

Storage Conditions

Storage Conditions: The cells should be stored in a controlled manner. The storage medium should be added to the cells and the mixture should be incubated at -150 to 196 °C for 196 hours.

Caution: Handle with care

Sterility

Sterility: The cells should be handled in a sterile environment. The cells should be incubated in a sterile medium.

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