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Produktinformation



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CALD1 (Human) Recombinant Protein (P01)

Catalog Number: H00000800-P01

Regulation Status: For research use only (RUO)

Product Description: Human CALD1 full-length ORF (NP_004333.1, 1 a.a. - 538 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

```
MDDFERRRELRRQKREEMRLEAERIAIYQRNDDDEEE  
AARERRRRRARQERLRQKQEEESLGQVTDQVEVNAQN  
SVPDEEAKTTTTNTQVEGDDEAAFLERLARREERRQK  
RLQEALERQKEFDPTITDASLSLPSRRMQNDAENETT  
EKEEKSESQRERYEIEETETVTKSYQKNDWRDAEENK  
KEDKEKEEEEEKPKRGSIGENQIKDEKIKKDKPEKKE  
VKSFMDRKKGFTEVKSQNGEFMTHKLKHTENTFSRP  
GGRASVDTKEAEGAPQVEAGKRLEELRRRRGETESE  
EFEKLKQKQQAALALEELKKKREERRKVLLEEEQRR  
KQEEADRKLREEEERRLKEEIERRRAEAAEKRQKMP  
EDGLSDDKPKFCFTPKGSSLKIEERAFLNKSQKSS  
GVKSTHQAAIVSKIDSRLEQY TSAIEGTKSAKPTKPAAS  
DLPVPAEGVRNIKSMWEKGNVFSPTAAGTPNKETAG  
LKVGVSRRINEWLTKTPDGNKSPAPKPSDLRPGDVSS  
KRNLWEKQSVDKVTSPTKV
```

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 89.1

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid

repeated freezing and thawing.

Entrez GeneID: 800

Gene Symbol: CALD1

Gene Alias: CDM, H-CAD, L-CAD, MGC21352, NAG22

Gene Summary: This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]