# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-199aa

**UniProt No.** P78560

NCBI Accession No. NP\_003796

### **Alternative Names**

Caspase and RIP adapter with death domain, RAIDD, CRADD, Caspase and RIP adapter with death domain, Caspase and RIP adapter with death domain CASP2 and RIPK1 domain containing adaptor with death domain, Death adaptor molecule RAIDD, Death domain containing protein CRADD, MGC9163, RIP associated ICH1/CED3 homologous protein with death domain, RIP associated protein with a death domain.

## **PRODUCT SPECIFICATION**

### **Molecular Weight**

24.9 kDa (219aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 1mM DTT

Purity

> 95% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

#### Description

CRADD is a 22 kDa, widely-expressed cytosolic adaptor protein. CRADD is a death domain (CARD/DD) containing protein and has been shown to induce cell apoptosis. Through its CARD domain, this protein interacts with, and thus recruits, caspase 2/ICH1 to the cell death signal transduction complex that includes tumor necrosis factor



receptor 1 (TNFR1A), RIPK1/RIP kinase, and numbers of other CARD domain-containing proteins. Recombinant CRADD protein was expressed in E. coli and purified by using conventional chromatography techniques.

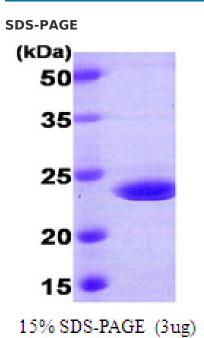
#### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MEARDKQVLR SLRLELGAEV LVEGLVLQYL YQEGILTENH IQEINAQTTG LRKTMLMLDI LPSRGPKAFD TFLDSLQEFP WVREKLKKAR EEAMTDLPAG DRLTGIPSHI LNSSPSDRQI NQLAQRLGPE WEPMVLSLGL SQTDIYRCKA NHPHNVQSQV VEAFIRWRQR FGKQATFQSL HNGLRAVEVD PSLLLHMLE

#### **General References**

Park HH., (2006). J Mol Biol. 357(2):358-64. Chou JJ., (1998) Ceil. 94(2):171-80.

## DATA



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.