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1 CASP2 And RIPK1 Domain Containing Adaptor With Death Domain Protein (CRADD)

Organism: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

1th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: CASP2 And RIPK1 Domain Containing Adaptor With Death Domain Protein

Gene Names: CRADD

Size: 100µg

Source: Recombinant

Expression Host: *E.coli*

Function: Apoptotic adaptor molecule specific for caspase-2 and FASL/TNF receptor-interacting protein RIP. In the presence of RIP and TRADD, CRADD recruits caspase-2 to the TNFR-1 signalling complex.

Subcellular Location: Cytoplasm. Nucleus.

Tissue Specificity: Constitutively expressed in most tissues, with particularly high expression in adult heart, testis, liver, skeletal muscle, fetal liver and kidney.

[PROPERTIES]

Residues: Met1~Glu199 (Accession # P78560), with a N-terminal His-tag.

Grade & Purity: >95%, 24 kDa as determined by SDS-PAGE reducing conditions.

Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.

Endotoxin Level: <1.0 EU per 1µg(determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA;IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 24.26 kDa

[PREPARATION]



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Reconstitute in PBS.

[**STORAGE AND STABILITY**]

Storage: Store at 4°C for short term storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80°C.

[**BACKGROUND**]

The target protein is fused with a His-tag and its sequence is listed below. The first Met is an initiator amino acid. Moreover, Gly and Ser are added to improve the flexibility of N-terminus at both ends of the His-tag, which will increase the chelating ability of the tag to Ni-Sepharose during purification.

MGHHHHHSGSEF-MEARDKQVLR SLRLELGAEV LVEGLVLQYL YQEGILTENH IQEINAQTTG LRKTMLLLDI
LPSRGPKAFD TFLDSLQEFV WVREKLKKAR EEAMTDLPAG DRLTGIPSHI LNSSPSDRQI NQLAQRLGPE
WEPMVLSLGL SQTDIYRCKA NHPHNVQSQV VEA FIRWRQR FGKQATFQSL HNGLRAVEVD PSLLLHMLE

[**REFERENCES**]

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