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P90030Mu01

Factor Related Apoptosis (FAS)

Organism: Mus musculus (Mouse)

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: Factor Related Apoptosis

Gene Names: FAS, Apt1, Tnfrsf6

Size: 100μg

Source: Recombinant

Expression Host: *E.coli*

Function: Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both.

Subcellular Location: Membrane; Single-pass type I membrane protein.

Tissue Specificity: Detected in various tissues including thymus, liver, lung, heart, and adult ovary.

[PROPERTIES]

Residues: Gln22~Arg169 (Accession # P25446), with a N-terminal His-tag.

Grade & Purity: >97%, 18.07 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: 18.07 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-QGTNSISES LKL RRRVRET DKNCSEGLYQ GGPFCQPCQ PGKKKVEDCK
MNGGTPTCAP CTEGKEYMDK NHYADKCRRC TLCDEEHGLE VETNCTLTQN TKCKCKPDFY CDSPGCEHCV
RCASCEHGTL EPCTATSNTN CRKQSPNR

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