

Recombinant human SMAC/Diablo protein

Catalog Number: SMA0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

56-239aa

UniProt No.

Q9NR28

NCBI Accession No.

NP_063940

Alternative Names

Diablo isoform 1, SMAC3, DIABLO-S, FLJ10537, FLJ25049, Diablo isoform 1, SMAC/Diablo, Diablo isoform 1 0610041G12Rik, DBOH, Diablo homolog, DIABLO S, Diablo homolog (Drosophila), Mitochondrial Smac protein, Diablo homolog mitochondrial, SMAC 3, Smac protein, Direct IAP binding protein with low pI, Second mitochondria derived activator of caspase.

PRODUCT SPECIFICATION

Molecular Weight

22 kDa (199aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5)

Purity

> 95% by SDS-PAGE

Tag

T7-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

Smac/Diablo is one of the proapoptotic proteins. Smac promotes caspase activation in the cytochrome c/Apaf-1/caspase-9 pathway by binding to inhibitor of apoptosis proteins (IAPs) and removing their inhibitory activity. Recombinant human Smac fused to T7-tag. at N-terminus was expressed in E. coli and purified by conventional

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chromatography techniques.

Amino acid Sequence

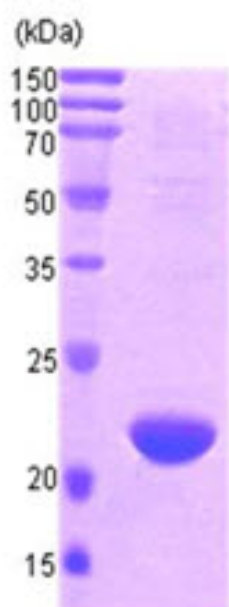
MASMTGGQQM GRGSMAVPIA QKSEPHSLSS EALMRRVAVSL VTDSTSTFLS QTTYALIEAI TEYTKAVYTL TSLYRQYTSL
LGKMNSEEEED EVWQVIIGAR AEMTSKHQEQY LKLETTWMTA VGLSEMAAEA AYQTGADQAS ITARNHIQLV KLQVEEVHQL
SRKAETKLAE AQIEELRQKT QEEGEERAES EQEAYLRED

General References

Srinivasula SM., et al. (2000). J Biol Chem. 275(46):36152-7.
Du C., et al. (2000). Cell. 102(1):33-42.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)