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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

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www.rockland.com
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Datasheet for 009-001-R51S

BID protein-GST fusion

Overview

Description:	BID recombinant protein-GST fusion protein - 009-001-R51S
Item No.:	009-001-R51S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	BID is a BH3 interacting death domain that heterodimerizes with either agonist BAX or antagonist BCL2 (1). BID is a member of the BCL-2 family of cell death regulators and is a mediator of mitochondrial damage induced by caspase-8 (CASP8). BID initiates apoptosis by binding to regulatory sites on prosurvival BCL2 proteins to directly neutralize their function. Multiple alternatively spliced transcript variants of BID have been found, but the full-length nature of some variants has not been defined. BID together with Cathepsins play an important role in the actions of Camptothecin on breast cancer cells (2). BID Protein is ideal for investigators involved in Signaling Proteins, Apoptosis Proteins, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, and Neurobiology research.
Synonyms:	FP497, MGC42355, MGC15319, BH3-interacting domain death agonist, p22 BID, BH3-interacting domain death agonist p15, p15 BID, p13 BID, p11 BID
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	BID
Purity/Specificity:	Recombinant full-length human BID was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >85% by densitometry.
Relevant Links:	• NCBI - BC036364

Application Details

Application Note:	BID Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. BID Protein is suitable for use in Western Blot. Expect a band approximately ~ 52kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

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tech@rockland.com
+1 484.791.3823