

Recombinant Human BID

Cat. No. BID-26710TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Bid; 21.9 kDa.
Species	Human
Source	E.coli
Description	This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined.
Tissue specificity	Isoform 2 and isoform 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex. Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed in lung, pancreas and spleen (at protein level). Isoform 4 is
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, pH 8

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MDCEVNNGSS LRDECITNLL VFGFLQSCSD NSFRRELDAL GHLPVLAPQWEGYDELQTD GNRSSH SRLG RIEADSESQE DIIRNIARHL AQVGDSMDRS IPPGLV NGLALQLRNTSRSE EDRNRDLATA LEQLLQAYPR DMEKEKTMLV LALLAKKVA SHTPSLLRDVFHTTVNFINQ NLRTYVRSLA RNGMD
Full Length	Full L.
GENE INFORMATION	
Gene Name	BID BH3 interacting domain death agonist [Homo sapiens]
Official Symbol	BID
Synonyms	BID; BH3 interacting domain death agonist; BH3-interacting domain death agonist;
Gene ID	637
mRNA Refseq	NM_001196
Protein Refseq	NP_001187
MIM	601997
Uniprot ID	P55957
Chromosome Location	22q11.2
Pathway	Activation and oligomerization of BAK protein, organism-specific biosystem; Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of

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BH3-only proteins, organism-specific biosystem; Activation, myristoylation of BID and translocation to mitochondria, organism-specific biosystem; Activation, translocation and oligomerization of BAX, organism-specific biosystem;

Function

death receptor binding; protein binding; ubiquitin protein ligase binding;

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