

## BID Protein, Human

Cat. No.:	HY-P7662
Synonyms:	rHuBID; BH3-Interacting Domain Death Agonist; BID
Species:	Human
Source:	E. coli
Accession:	P55957 (M1-D195)
Gene ID:	637
Molecular Weight:	Approximately 20.0 kDa

### PROPERTIES

AA Sequence	<pre> M D C E V N N G S S   L R D E C I T N L L   V F G F L Q S C S D   N S F R R E L D A L G H E L P V L A P Q   W E G Y D E L Q T D   G N R S S H S R L G   R I E A D S E S Q E D I I R N I A R H L   A Q V G D S M D R S   I P P G L V N G L A   L Q L R N T S R S E E D R N R D L A T A   L E Q L L Q A Y P R   D M E K E K T M L V   L A L L L A K K V A S H T P S L L R D V   F H T T V N F I N Q   N L R T Y V R S L A   R N G M D           </pre>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of 20 mM PB, 100 mM KCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	<p>During apoptosis, Bid can be cleaved not only by caspase-8 during death receptor apoptotic signaling, but also by other caspases, granzyme B, calpains and cathepsins. Protease-cleaved Bid migrates to mitochondria where it induces permeabilization of the outer mitochondrial membrane that is dependent on the pro-apoptotic proteins Bax and/or Bak, and thus Bid acts as a sentinel for protease-mediated death signals<sup>[1]</sup>.</p>
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### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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