

## Mouse BID Protein

Cat. No. BID-ME101



### Description

Source	Recombinant Mouse BID Protein is expressed from E.coli with His tag at the C-Terminus.
	It contains Ala1-Ser195.
Accession	EDK99650.1
Molecular Weight	The protein has a predicted MW of 22.72 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

### Formulation and Storage

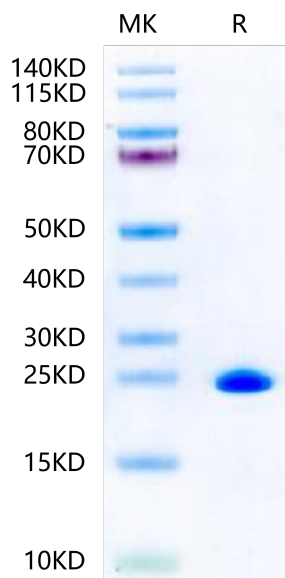
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

Bid, BH3-interacting domain death agonist, was initially cloned based in its ability to interact with both Bcl-2 and Bax. Bid contains only the BH3 domain, which is required for its interaction with the Bcl-2 family proteins and for its pro-death activity. Bid is susceptible to proteolytic cleavage by caspases, calpains, Granzyme B and cathepsins. Bid is important to cell death mediated by these proteases and thus is the sentinel to protease-mediated death signals.

### Assay Data

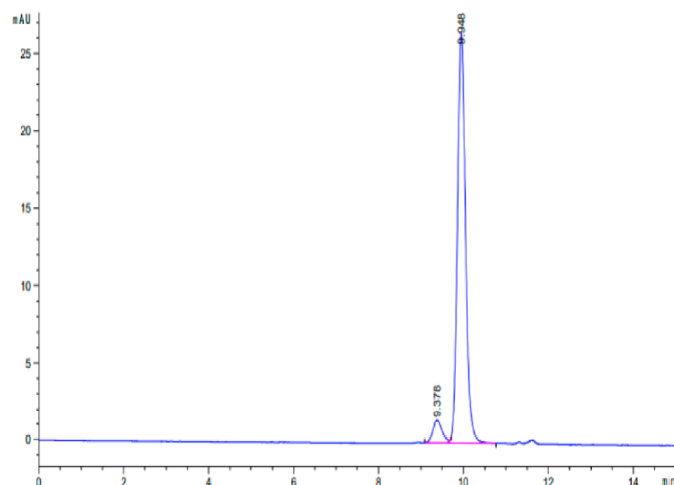
#### Bis-Tris PAGE



Mouse BID on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

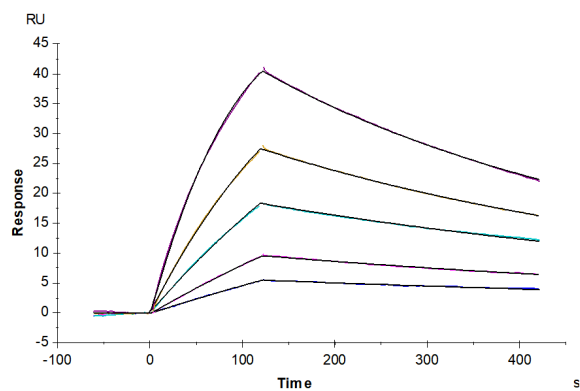
#### SEC-HPLC

## Assay Data



The purity of Mouse BID is greater than 90% as determined by SEC-HPLC.

## SPR Data



Mouse BID, His Tag immobilized on CM5 Chip can bind Human BCL2L1, His Tag with an affinity constant of 33.06 nM as determined in SPR assay (Biacore T200).