



Recombinant Protein Technical Manual

Recombinant Human BIM/BCL2L11 Protein (His Tag)

RPES4194

Product Data:

Product SKU: RPES4194

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O43521-2

Protein Information:

Molecular Mass: 15 kDa

AP Molecular Mass: 158 kDa

Tag: N-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, 10% glycerol, 2mM DTT, pH8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Bcl-2-like protein 11; Bcl2-L1; Bcl2-interacting mediator of cell death; BCL2L11; BIM; BIML

Immunogen Information:

Sequence: Met1-Arg120

Background:

BIML is one of several splice variants of BIM, a proapoptotic protein belonging to the BH-3 domain-only subgroup of Bcl-2 family members. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. BIML is thought to promote apoptosis by binding and inhibiting the activity of anti-apoptotic Bcl-2 family members, thereby inducing the release of cytochrome c from mitochondria. BIML is normally sequestered in an inactive conformation from anti-apoptotic Bcl-2 family members through binding to the microtubule-associated dynein motor complex. Certain apoptotic stimuli release BIML from microtubules to neutralize anti-apoptotic Bcl-2 family members, allowing for the initiation of apoptosis.