

## BD-2 Protein, Mouse

Cat. No.:	HY-P7136
Synonyms:	rMuBD-2; DEFB2
Species:	Mouse
Source:	E. coli
Accession:	P82020 (A21-K71)
Gene ID:	13215
Molecular Weight:	Approximately 5.5 kDa

### PROPERTIES

AA Sequence	AVGSLKSIKY    EAELDHCHTN    GGYCVRAICP    PSARRPGSCF PEKNPCKYMK
Biological Activity	Full biological activity determined by a chemotaxis bioassay using immature human dendritic cells is in a concentration of 10-100 ng/ml.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Mouse Beta Defensin-2 (mBD2) is produced by mouse urothelium in response to intravesicular BCG as a defense mechanism against BCG, and blocking mBD2 by an anti-mBD2 antibody increased the effectiveness of BCG <sup>[1]</sup> .
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### REFERENCES

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

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