

## Cathelicidin-4/CATHL4 Protein, Bovine (His-SUMO)

Cat. No.:	HY-P71468
Synonyms:	CATHL4; Cathelicidin-4; Indolicidin
Species:	Bovine
Source:	E. coli
Accession:	P33046 (131I-143R)
Gene ID:	282166
Molecular Weight:	Approximately 17.9 kDa

### PROPERTIES

AA Sequence	I L P W K W P W W P W R R
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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.
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	Cathelicidin-4/CATHL4 Protein exhibits potent microbicidal activity, demonstrating effectiveness against both <i>S. aureus</i> and <i>E. coli</i> . This antimicrobial property underscores the significance of Cathelicidin-4 in host defense mechanisms, highlighting its role as an innate immune effector capable of combating bacterial pathogens. The broad-spectrum antimicrobial activity against Gram-positive ( <i>S. aureus</i> ) and Gram-negative ( <i>E. coli</i> ) bacteria emphasizes the versatility of Cathelicidin-4, making it a valuable component of the host's arsenal in the ongoing battle against microbial invaders.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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