

UCMA Protein, Human

Cat. No.:	HY-P71413
Synonyms:	Unique cartilage matrix-associated protein; UCMA; Gla-rich protein; C10orf49
Species:	Human
Source:	E. coli
Accession:	Q8WVF2 (S65-T138)
Gene ID:	221044
Molecular Weight:	Approximately 14.0 kDa

PROPERTIES

AA Sequence	<p>S P K S R D E V N V E N R Q K L R V D E L R R E Y Y E E Q R N E F E N F V E E Q</p> <p>N D E Q E E R S R E A V E Q W R Q W H Y D G L H P S Y L Y N R H H T</p>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.2.
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>UCMA Protein emerges as a potential key player in the intricate regulation of osteogenic differentiation, particularly within the peripheral zones of fetal cartilage and at the cartilage-bone interface. Its involvement suggests a crucial role in exerting negative control over the differentiation processes of osteochondrogenic precursor cells. UCMA's regulatory impact within these specific anatomical regions underscores its significance in modulating the delicate balance of cellular differentiation, with potential implications for skeletal development and homeostasis. Unraveling the precise mechanisms by which UCMA exerts its negative control on osteogenic differentiation could provide valuable insights into its functional significance and contribute to a deeper understanding of the molecular pathways governing skeletal tissue development and maintenance.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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