



# Recombinant Protein Technical Manual

## Recombinant Human UCMA Protein

RPES2252

### Product Data:

**Product SKU:** RPES2252

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q8WVF2

### Protein Information:

**Molecular Mass:** 9.8 kDa

**AP Molecular Mass:** 14 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 90 % 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/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

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

**Application:**

**Synonyms:** Unique cartilage matrix-associated protein; UCMA; Gla-rich protein; C10orf49

## Immunogen Information:

**Sequence:** Ser65-Thr138

## Background:

C10orf49 is a secreted protein which encoded by the UCMA gene. It is a member of the UCMA family. C10orf49 is predominantly expressed in resting chondrocytes. It may be involved in the negative control of osteogenic differentiation of osteochondrogenic precursor cells in peripheral zones of fetal cartilage and at the cartilage-bone interface.