

Product datasheet for **TP721011M**

UCMA (NM_145314) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human upper zone of growth plate and cartilage matrix associated (UCMA)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Ser65-Thr138
Tag:	Tag Free
Predicted MW:	9.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_660357
Locus ID:	221044
UniProt ID:	Q8WVF2 , A0A067XIX6
RefSeq Size:	840
Cytogenetics:	10p13
RefSeq ORF:	414
Synonyms:	C10orf49; GRP; GRP/UCMA



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Summary:

This gene encodes a chondrocyte-specific, highly charged protein that is abundantly expressed in the upper immature zone of fetal and juvenile epiphyseal cartilage. The encoded protein undergoes proteolytic processing to generate a mature protein that is secreted into the extracellular matrix. The glutamic acid residues in the encoded protein undergo gamma carboxylation in a vitamin K-dependent manner. Undercarboxylation of the encoded protein is associated with osteoarthritis in humans. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2015]

Protein Families:

Secreted Protein