



Recombinant Human Dentin matrix acidic phosphoprotein 1 (DMP1)

Product Code	CSB-YP006967HU
Relevance	May have a dual function during osteoblast differentiation. In the nucleus of undifferentiated osteoblasts, unphosphorylated form acts as a transcriptional component for activation of osteoblast-specific genes like osteocalcin. During the osteoblast to osteocyte transition phase it is phosphorylated and exported into the extracellular matrix, where it regulates nucleation of hydroxyapatite.
Abbreviation	Recombinant Human DMP1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q13316
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	LPVTRYQNNESDSEEWKGH LAQAPTPPLESSESSEGSKVSSEEQANEDPSD STQSEEGLGSDDHQYIYRLAGGFSRSTGKGGDDKDDDEDDSGDDTFGDDDS GPGPKDRQEGGNSRLGSDSDSDDTIQASEESAPQGGQDSAQDTTSESRELDN EDRVDSKPEGGDSTQESESEEHVVGGS DGESSHGDGSELDDDEGMQSDDP ESIRSERGNSRMNSAGMKSKESENGENSEQANTQDSGGSQ LLEHPSRKIFRKSR ISEEDDRSELDDNNTMEEVKSDSTENSNSRDTGLSQPRRDSKGDSQEDSKEN LSQEESQNVDPSPSESSQEANLSSQENSSESQEEVVSES RGDNPDPPTTSYVE DQEDSDSSEEDSSHTLSHKSSESREEQADSESSESLN FSEESPEPEDENSS SQEGLQSHSSSAESQSEESHSEEDSDSDQSSRSKEDSNSTESKSSSEEDG QLKNIEIESRKLTVDAYHNKPIGDQDDNDCQDGY
Research Area	Signal Transduction
Source	Yeast
Target Names	DMP1
Protein Names	Recommended name: Dentin matrix acidic phosphoprotein 1 Short name= DMP-1 Short name= Dentin matrix protein 1
Expression Region	17-513aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	56.0 kDa
Protein Length	Full Length of Mature Protein

