

Product datasheet for **TP309473SE**

Collagen IX (COL9A1) (NM_078485) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human collagen, type IX, alpha 1 (COL9A1), transcript variant 2, secretory expressed in HEK293T cells, 20ug
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209473 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAWTARDRGALGLLLLGLCLCAAQRGPPGEGQPPGPPGPPGVPIDGIDGDRGPKGPPGPPGPAGEPGKP GAPGKPGTPGADLTGPDGSPGSIGSKGQKGEVPGVPSRGFPGRGIPGPPGPPGTAGLPGELGRVGPVGD PGRRGPPGPPGPPGPRGTIGFHDGDPLCPNACPPGRSGYPGLPGRHKGAKGEIGEPGRQGHKGEEDQ GELGEVGAQGPPGAQGLRGITGIVGDKGEKGARGLDGEVGPQGLPGAPGDQQRGPPGEAGPKGDRGAEG ARGIPGLPGKGDGTLPVVDGRDGIPGMPGTKGEPGKPPGDAGLQGLPGVPGIPGAKGVAGEKSTGA PGKPGQMGNISGKPGQQGPPGEVGPGRGPPGLPGRGELGVPVSPGLPGKLGSLGSPGLPGLPGLPGLPMK GDRGVVGEVPGKGEQASGEEGEAGERGELGDIPLPGPKGSAGNPGEPGLRGPEGSRLPGVEGPRGPPG PRGVQGEQATGLPGVQGPPGRAPTDQHIKQVCMRVIQEHAEMAASLKRPPDSGATGLPGRPGPPGPPG PGENGFPQMIRGLPGIKGPPGALGLRGPKGDLGEKGERGPPGRGNLPGAIGLPGDPGPASYGRNGR DGERGPPGVAGIPGVPGPPGPPGLPGFCEPASCTMQAGQRAFNGPDP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	65.6 kDa
Concentration:	>50 ug/mL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol
Note:	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_511040](#)

Locus ID: 1297

UniProt ID: [P20849](#)

RefSeq Size: 3073

Cytogenetics: 6q13

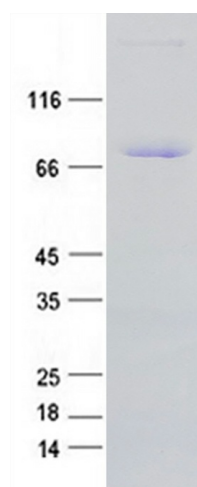
RefSeq ORF: 2034

Synonyms: DJ149L1.1.2; EDM6; MED; STL4

Summary: This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Studies in knockout mice have shown that synthesis of the alpha 1 chain is essential for assembly of type IX collagen molecules, a heterotrimeric molecule, and that lack of type IX collagen is associated with early onset osteoarthritis. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. Two transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified COL9A1 protein (Cat #TP309473SE). The protein was produced from mammalian cells transfected with COL9A1 cDNA clone (Cat #[RC209473]).