

Product datasheet for TP318470

Collagen VII (COL7A1) (NM_000094) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human collagen, type VII, alpha 1 (COL7A1), full length, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218470 representing NM_000094 Red =Cloning site Green =Tags(s)

MTLRLLVAALCAGILAEAPRVRAQHRERVCTRLYAADIVFLLDGSSSIGRSNFREVRSFLEGLVLPFSG
 AASAQGVRFATVQYSDDPRTEFGLDALGSGGDVIRAIRELSYKGGNTRTGAAILHVADHVFLPQLARPGV
 PKVCILITDGKSQDLVDTAAQRLKGQGVKLFVAVGKINADPEELKRVASQPTSDFFVFVNDFSILRLLPL
 VSRVCTTAGGVPVTRPPDDSTSAPRDLVLEPSSQSLRVQWTAASGPVTGYKVQYTPLTGLGQPLPSE
 QEVNVPAGETSVRLRGLRPLTEYQVTVIALYANSIGEAVSGTARTTALEGPELTIQNTTAHSLVAVRSV
 PGATGYRVTWVLSGGPTQQQELGPGQGSVLLRDLEPGTDYEVTVSTLFGRSVGPATSLMARTDASVEQT
 LRPVILGPTSILLSWNLVPEARGYRLEWRRETGLEPPQKVLPSPDVTRYQLDGLQPGTEYRLTYLLE
 HEVATPATVPTGPELVPSPVTDLQATELPGQVRVSWSPVPGATQYRIIVRSTQGVERTLVLPGSQTAF
 DLDDVQAGLSYTVRVSARVGPREGSASVLTVRREPETPLAVPGLRVVSDATRVRVAVGWVPGASGFRIS
 WSTGSGPESSQTLPPDSTATDITGLQPGTTYQVAVSVLRGREGPAAVIVARTDPLGPVRTVHVHTQASS
 SVTITWTRVPGATGYRVSWHSAHGPEKSQVLSGEATVAELDGLEPDTEYTVHVRHVAVGVDGPPASVVVR
 TAPEPVGRVSRQLILNASSDVLRTWVGVTGATAYRLAWGRSEGGPMRHQILPGNTDSAEIRGLEGGVSY
 SVRVTALVGDREGTPVSIVVTTPEAPPALGTLHVVRGEHSLRLRWEVVPRAQGFLHWQPEGGQEQSR
 VLGPELSSYHLDGLEPATQYRVRLSVLGPAGEGPSAEVTARTESPRVPSIELRVVDTSIDSVTLAWTPVS
 RASSYILSWRPLRGGQVEVPGSPQTLPGISSQRVTGLEPGVSYIFSLTPVLGDGVRGPEASVTQTPVCP
 GLADVWFLPHATQDNAHRAEATRRLERLVLALGPLGPQAVQVGLLSYSHRPSPLFPLNGSHDLGIIQR
 IRDMPYMDPSGNNLGTAVVTAHRYMLAPDAPGRRQHVPVGMVLLVDEPLRGDIFSPIREASGLNV
 ML
 GMAGADPEQLRRLAPGMDSVQTFFAVDDGPSLDQAVSGLATALCQASFTTQPRPEPCPVYCPKGQKGE
 G
 EMGLRGQVGGPDPGLPGRTGAPGPQGGPSATAKGERGFPGADGRPGSPGRAGNPGTPGAPGLKGS
 GL
 PGPRGDPGERGPRGPKGEPGAPGQVIGGEGPGLPGRKGDGPGSGPPGPRGPLGDPGPRGPPGLPTAM
 KG
 DKGDRGERGPPGPEGGIAPGEPGLPGLPGSPGPQGPVGGPKKGEKGDSEGDGAPGLPGQPGSPGEQ



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PR
GPPGAIGPKGDRGFPGPLGEAGEKGERGPPGPAGSRGLPGVAGRPGAKGPEGPPGPTGRQGEKGEPRP
G
DPAVWGPAVAGPKGEKGDVGPAGPRGATGVQGERGPPGLVLPGDGPKGDPGDRGPIGLTGRAGPPGD
SG
PPGEKGDPRPGPPGPVGRPRDGEVGEKGDEGPPGDPGLPGKAGERGLRGAPGVRGPVGEKGDQGD
GE
DGRNGSPGSSGPKGDRGEPGPPGPPGRLVDTGPGAREKGEPEGDRGQEGPRGPKGDPGLPGAPGERGIE
GF
RGPPGPQGDGVRGPAGEKGDGRPPGLDGRSGLDGKPGAAGPSGPNGAAGKAGDPGRDGLPGLRGEQ
GLP
GPSGPPGLPGKPGEDGKPLNGKNGEPGDGDRKGEKGDGASGREGRDGPKEGGERGAPGILGPQGP
PG
LPGVPGPPGQGFPGVPGGTGPKGDRGETGSKGEQGLPGERGLRGEPGSVPNVDRLLETAGIKASALREIV
ETWDESSGSFLVPERRRGPKGDSGEQGGPKGEPGIFPGERGLKGDGRDGPQGGPGLALGERGPPGP
S
GLAGEPGKPGIPGLPGRAGGVGEAGRPGERGERGEKGERGEQGRDGPGLPGTPGPPGPPGPKVSVDEP
G
PGLSGEQGPPGLKGAKGEPGSNGDQGPKGDRGVPGIKGDRGEPGPRGQDGNPGLPGERGMAGPEGK
GLQ
GPRGPPGPVGGHGDGPPGAPGLAGPAGQGPSGLKGEGETGPPGRGLTGPTGAVGLPGGPSGLV
GP
QGSPGLPGQVGETGKPGAPGRDGASGKDGRGSPGVPSPGLPGVGPKEGEPGPTGAPGQAVVGLPGA
KG
EKGAPGGLAGDLVGEPGAKGDRGLPGPRGEKGEAGRAGEPGDPGEDGQKGAPGPKGFKGDPGVGVPGS
PG
PPGPPGVKGDGLPGLPGAPGVVGFPGQTGPRGEMGQPGPSGERLAGPPGREGIPGLGPPGPPGSV
GP
PGASGLKGDGDPGVGLPGPRGERGEPGIRGEDGRPGQEGPRGLTGPPGSRGERGEKGDVGSAGLKGD
G
DSAVILGPPGPRGAKGDMGERGPRGLDGDGKGRGDNDGPDGDKGSKGEPGDKGSAGLPGLRGLLGPQG
QPG
AAGIPGDGSPGKDGVPGIRGEKGDVGMGRPLKGERGVKGACGLDGEKGDGKGEAGPPGRPLAGHK
GE
MGEPGVPGQSGAPGKEGLIGPKGDRGFDGQPGPKGDQGEKGERGTPGIGGFPGPSGNDGSAGPPGPPG
SV
GPRGPEGLQGQKGERGPPGERVWGAPGVGAPGERGEQGRPGPAGPRGEKGEAALTEDDIRGFVRQEMS
Q
HCACQQQFIASGSRPLPSYAADTAGSQLHAVPVLRVSHAEERVPPEDEYSEYSEYSVEEYQDPEAPW
DSDDDPCSLPLDEGSCTAYTLRWYHRAVTGSTEACHPFVYGGCGGNANRFGTRECERRCPRRVQSQGTG
TAQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	Myc-DDK
Predicted MW:	295.22 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell 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 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000085
Locus ID:	1294
UniProt ID:	Q02388 , Q59F16
RefSeq Size:	9272
Cytogenetics:	3p21.31
RefSeq ORF:	8832
Synonyms:	EBD1; EBDCT; EBR1; NDNC8
Summary:	This gene encodes the alpha chain of type VII collagen. The type VII collagen fibril, composed of three identical alpha collagen chains, is restricted to the basement zone beneath stratified squamous epithelia. It functions as an anchoring fibril between the external epithelia and the underlying stroma. Mutations in this gene are associated with all forms of dystrophic epidermolysis bullosa. In the absence of mutations, however, an acquired form of this disease can result from an autoimmune response made to type VII collagen. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:

Purified recombinant protein COL7A1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.