

Recombinant Full Length Human COL7A1 Protein, C-Flag-tagged

Cat. No. COL7A1-1006HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human COL7A1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	295.22 kDa
AA Sequence	MTLRLLVAALCAGILAEAPRVRAQHRERVCTRLYAADIVFLLDGSSSIGRSNRFREVR SFLEGLVLPFSG AASAQGVRFATVQYSDDPRTEFGLDALGSGGDVIRAIRESYKG GNTRTGAAILHVADHVFLPQLARPGV PKVCILITDGKSQDLVDTAQAQLKGQGVKLF AVGIKNADPEELKRVASQPTSDFVNDFFSILRTLPL VSRRVCTTAGGVPVTRPP DDSTSAPRDLVLSEPSSQSLRVQWTAASGPVTGYKVQYTPLTGLGQPLPSER QEV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NVPAGETSVRLRGLRPLTEYQVTVIALYANSIGEAVSGTARTTALEGPELTIQNTTAH
SLLVAWRSV PGATGYRVTWRVLSGGPTQQQELGPGQGSSVLLRDLEPGTDYEVTV
STLFGRSVGPATSLMARTDASVEQT LRPVILGPTSILLSWNLVPEARGYRLEWRRET
GLEPPQKVVLPSDVTRYQLDGLQPGTEYRLTYTLLEG HEVATPATVVPTGPELPV
SPVTDLQATELPGQRRVRSWSPVPGATQYRIIVRSTQGVERTLVLPGSQTAF DLDD
VQAGLSYTVRVSARVGPREGSASVLTVRREPETPLAVPGLRVVSDATRVVAVWG
PVP GASGFRIS WSTGSGPESSQTLPPDSTATDITGLQPGTTYQVAVSVLRGREEGP
AAVIVARTDPLGPVRTVHVHTQASSS SVTITWTRVPGATGYRVSWHSAHGPEKSQLV
SGEATVAELDGLEPDTEYTVHVRAHVAGVDGPPASVVVR TAPEPVGRVSRLQILNA
SSDVLRTWVGVTGATAYRLAWGRSEGGPMRHQILPGNTDSAEIRGLEGGVSY SV
RVTALVGDREGTPVSIVVTPPEAPPALGTLHVVRGEHSLRLRWEVPVRAQGFL
HWQPEGGQEQR VLGP ELSSYHLDGLEPATQYRVRLSVLGPAGEGPSAEVTARTE
SPRVPSIELRVVDTSIDSVTLAWTPVS RASSYILSWRPLRGPQGVEVPGSPQTLPGIS
SSQRTGLEPGVSYIFSLTPVLDGVRGPEASVTQTPVCPR GLADVFLPHATQDNA
HRAEATRRVLRLVLALGPLGPQAVQVGLLSYSHRPSPLFPLNGSHDLGILQR IRD
MPYMDPSGNNLGTAVVTAHRYMLAPDAPGRRQHVPGMVLLVDEPLRGDIFSPIRE
AQASGLNVVML GMAGADPEQLRRLAPGMDSVQTFFAVDDGPSLDQAVSGLATAL
CQASFTTQPRPEPCPVYCPKGQKGEPE EMGLRGQVGPPGDPGLPGRTGAPGPQ
GPPGSATAKGERGFPGADGRPGSPGRAGNPGTPGAPGLKGSPGL PGPRGDPGE
RGPRGPKGEPGAPGQVIGGEGPGLPGRKGDGPGSGPPGPRGPLGDPGPRGPPGL
PGTAMKG DKGDRGERGPPGPGEGGIAPGEPGLPGLPGSPGPQGPVGP PGKKE
KGDSE DGAPGLPGQPGSPGEQGPR GPPGAIGPKGDRGFPGPLGEAGEKGERGP
PGPAGSRGLPGVAGRPGAKGPEGPPGPTGRQGEKGEPRPG DPAVVGPVAVAGP
KGEKGDVGPAGPRGATGVQGERGPPGLVLPGDGPKGDGDRGPIGLTGRAGPP
GDSG PPGEKGDGPRPGPPGPVGRGRDGEVGEKGDEGPPGDPGLPGKAGERGL
RGAPGVRGPVGEKGDQGDGPE DGRNGSPGSSGPKGDRGEPGPPGPPGRLVDT
GPGAREKGEPRGDRGQEGPRGPKGDGGLPGAPGERGIEGF RGPPGPQGDGVRG
PAGEKGDGPPGLDGRSGLDGKPGAAGPSGPNGAAGKAGDPGRDGLPGLRGEQ
GLP GPSGPPGLPGKPGEDGKPLNGKNGEPGDPGEDGRKGEKGDGSGASGREGR
DGPKGERGAPGILGPQGPPG LPGPVGPPGQGFPGVPGGTGPKGDRGETGSKGE

QGLPGERGLRGEPGSVPNVDRLLTAGIKASALREIV ETWDESSGSFLPVPERRRG
 PKGDSGEQGPPGKEGPIGFPGERGLKGDRGDPGPQGPGLALGERGPPGPS GLA
 GEPGKPGIPGLPGRAGGVGEAGRPGERGERGEKGERGEQGRDGPPLPGTPGPP
 GPPGPKVSVDEPG PGLSGEQGPPGLKGAKGEPGSNGDQGPKGDRGVPGIKGDR
 GEPGPRGQDGNPGLPGERGMAGPEGKPLQ GPRGPPGPVGGHGDGPPGAPG
 LAGPAGPQGPPSLKGEPGETGPPGRGLTGPTGAVGLPGPPGPSGLVGP QGSPGL
 PGQVGETGKPGAPGRDGASGKDGRGSPGVPGSPGLPGVPKGEPPGTGAPG
 QAVVGLPGAAG EKGAPGGLAGDLVGEPGAAGDRGLPGPRGEKGEAGRAGEPGD
 PGEDGQKGAAPGPKGFKGDPGVGVPGSPG PPGPPGVKGDGLPLGLPGAPGVVGF
 PGQTGPRGEMGQPGPSGERGLAGPPGREGIPGLPGPPGPSVGP PGASGLKG
 DKGDPGVGLPGPRGERGEPGIRGEDGRPGQEGPRGLTGPPGSRGERGEKGDVG
 SAGLKGDKG DSAVILGPPGPRGAAGDMGERGPRGLDGDGKPRGDNDGPDGKGS
 KGEPGDGKSAGLPGLRGLLPQGQPG AAGIPGDPGSPGKDGVPGIRGEKGDVGF
 MGPRGLKGERGVKGACGLDGEKGDKEAGPPGRPLAGHKGE MGEPGVPGQS
 GAPGKEGLIGPKGDRGFDGQPGPKGDQGEKGERGTPGIGGFPGPSGNDGSAGPP
 GPPGSV GPRGPEGLQGQKGERGPPGERVVGAPGVPGAPGERGEQGRPGAPG
 RGEKGEAALTEDDIRGFVRQEMSQ HCACQGQFIASGSRPLPSYAADTAGSQLHAV
 PVLRVSHAEERVPPEDEYSEYSEYSEYQDPEAPW DSDDPCSLPLDEGSCT
 AYTLRWYHRAVTGSTEACHPFVYGGCGGNANRFGTREACERRCPPRVVQSQGTG
 TAQDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

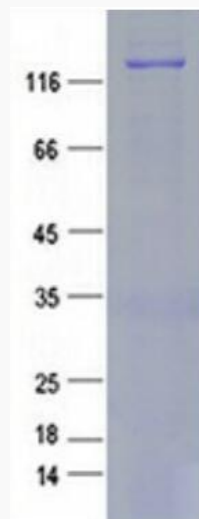
 45-1 Ramsey Road, Shirley, NY 11967, USA

Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.
GENE INFORMATION	
Gene Name	COL7A1 collagen type VII alpha 1 chain [Homo sapiens (human)]
Official Symbol	COL7A1
Synonyms	EBD1; EBR1; EBDCT; NDNC8
Gene ID	1294
mRNA Refseq	NM_000094.4
Protein Refseq	NP_000085.1
MIM	120120
UniProt ID	Q02388

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA