

Product datasheet for **TP762281**

CLACP (COL25A1) (NM_198721) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human collagen, type XXV, alpha 1 (COL25A1), transcript variant 1, Lys573-Gln653, with N-terminal His-ABP tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Lys573-Gln653) of COL25A1
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	23.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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_942014
Locus ID:	84570
UniProt ID:	Q9BXS0
RefSeq Size:	2607
Cytogenetics:	4q25
RefSeq ORF:	1962
Synonyms:	AMY; CFEOM5; CLAC; CLAC-P; CLACP



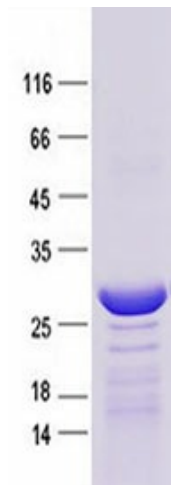
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Summary:

This gene encodes a brain-specific membrane associated collagen. A product of proteolytic processing of the encoded protein, CLAC (collagenous Alzheimer amyloid plaque component), binds to amyloid beta-peptides found in Alzheimer amyloid plaques but CLAC inhibits rather than facilitates amyloid fibril elongation (PMID: 16300410). A study of over-expression of this collagen in mice, however, found changes in pathology and behavior suggesting that the encoded protein may promote amyloid plaque formation (PMID: 19548013). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Protein Families:

Transmembrane

Product images:

Purified recombinant protein COL25A1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.