

Recombinant Human COL25A1, His-tagged

Cat. No. COL25A1-11430H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COL25A1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-332a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	COL25A1 collagen, type XXV, alpha 1 [Homo sapiens]
Official Symbol	COL25A1
Synonyms	COL25A1; collagen, type XXV, alpha 1; collagen alpha-1(XXV) chain; alzheimer disease amyloid-associated protein; collagenous Alzheimer amyloid plaque component; collagen-like Alzheimer amyloid plaque component; AMY; CLAC; CLACP; CLAC-P;
Gene ID	84570
mRNA Refseq	NM_001256074
Protein Refseq	NP_001243003
MIM	610004
UniProt ID	Q9BXS0
Chromosome Location	4q25
Function	beta-amyloid binding; heparin binding;

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