

Recombinant Human CHAD protein, T7/His-tagged

Cat. No. CHAD-49H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of human CHAD gene cDNA (23 - 359aa, derived from BC036360) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	23-359 a.a.
Form	0.25 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGRHHHHHGNLYFQGGFCPQNCHCHSDLQHVICDKVGLQKIP KVSEKTKLLNLQRNNFPVLAANSFRAMPNLVSLHLQHCQIREVAAGAFRGLKQLIYL YLSHNDIRVLRAGAFDDLTELTYLYLDHNKVTTELPRGLL SPLVNLFILQLNKKIRELR AGAFQGAKDLRWLYLSENAISSLQPGALDDVENLAKFHVDRNQLSSYPASAASKL R VVEELKLSHNPLKSIPDNFQSFGRYLETLWLDNTNLEKFSFGAFLGVTTLKHVHLE NNRLNQLPSNFPFDSLE TLALTNNPWKCTCQLRGLRRWLEAKASRPDATCASPAK FKGQHIRDTDAFRSCKFPTKRSKKAGRH
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro CHAD mediated chondrocytes differentiation regulation study with this protein as either coating matrix protein or soluble factor.2. May be

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used as CHAD protein-protein interaction assay.3. As enzymatic substrate for various proteases.4. As native (non-glycosilated) antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name CHAD chondroadherin [Homo sapiens]

Official Symbol CHAD

Synonyms CHAD; chondroadherin; chondroadherin proteoglycan; SLRR4A; cartilage leucine-rich protein;

Gene ID 1101

mRNA Refseq NM_001267

Protein Refseq NP_001258

MIM 602178

UniProt ID O15335

Chromosome Location 17q21.33

Pathway ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;

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Function

extracellular matrix structural constituent;

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