

Product datasheet

Recombinant Human CHAD protein ab182810

Description

Product name	Recombinant Human CHAD protein	
Purity	<p>> 90 % SDS-PAGE.</p> <p>The final product was refolded using unique “temperature shift inclusion body refolding” technology and chromatographically purified.</p>	
Expression system	Escherichia coli	
Accession	O15335	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre>MASMTGGQQMGRGHHHHHHGNLYFQGGEFCPQNCH CHSDLQHVICDKVGL QKIPKVSEKTKLLNLQRNNFPVLAANSFRAMPNLVSLH LQHCQIREVAAG AFRGLKQLMLYLSHNDIRVLRAGAFDDLTELTYLYLDHN KVTELPGRLL SPLVNLFILQLNNNKIRELRAGAFQGAKDLRWLYLSEN ALSSLQPGALDD VENLAKFHVDRNQLSSYPSAALSCLRVEELKLSHNP LKSIPDNAFQSFG RYLETLWLDNTNLEKFSDGAF LGVTTLKHVHLENNRLN QLPSNFPFDSLE TLALTNNPWKCTCQLRGLRRWLEAKASRPDATCASP AKFKGQHIRD TDAF RSCKFPTKRSK KAGRH</pre>	
Predicted molecular weight	42 kDa including tags	
Amino acids	23 to 359	
Tags	His-T7 tag N-Terminus	
Additional sequence information	Full length mature form (NP_001258). T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab182810** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
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General Info

Function	Promotes attachment of chondrocytes, fibroblasts, and osteoblasts. This binding is mediated (at least for chondrocytes and fibroblasts) by the integrin alpha(2)beta(1). May play an important role in the regulation of chondrocyte growth and proliferation.
Tissue specificity	Present in chondrocytes at all ages.
Sequence similarities	Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class IV subfamily. Contains 9 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 LRRNT domain.
Cellular localization	Secreted > extracellular space > extracellular matrix.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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