CHAD Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	CHAD, Lysate
Full Product Name	Human CHAD Protein Lysate
Product Gene Name	CHAD lysate
Product Synonym Names	CHAD; SLRR4A; SLRR4A
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	Predicted: 38 kDa Observed: 36 kDa
OMIM	602178
3D Structure	ModBase 3D Structure for O15335
Related Product Information for CHAD lysate	Human CHAD Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of CHAD lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CHAD purchase	MBS139377 is a lysate targeting CHAD. Also known as Human CHAD Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHAD. It may not necessarily be applicable to this product.

NCBI GI #	153251229
NCBI GeneID	1101
NCBI Accession #	NP_001258
UniProt Primary Accession #	O15335
UniProt Secondary Accession #	Q6GTU0; Q96RJ5; A8K812
UniProt Related Accession #	O15335
GenBank Nucleotide #	NM_001267
NCBI Official Full Name	chondroadherin
NCBI Official Synonym Full Names	chondroadherin
NCBI Official Symbol	CHAD
NCBI Official Synonym Symbols	SLRR4A
UniProt Protein Name	Chondroadherin

UniProt Synonym Protein Names	Cartilage leucine-rich protein
Protein Family	Chondroadherin
UniProt Gene Name	CHAD
UniProt Synonym Gene Names	SLRR4A
UniProt Entry Name	CHAD_HUMAN
NCBI Protein Information	chondroadherin
NCBI Summary for CHAD	Chondroadherin is a cartilage matrix protein thought to mediate adhesion of isolated chondrocytes. The protein contains 11 leucine-rich repeats flanked by cysteine-rich regions. The chondroadherin messenger RNA is present in chondrocytes at all ages. [provided by RefSeq, Jul 2008]
UniProt Comments for CHAD	CHAD: 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. Belongs to the small leucine-rich proteoglycan (SLRP) family. SLRP class IV subfamily. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 17q21.33 Cellular Component: cytoplasm; proteinaceous extracellular matrix Molecular Function: protein kinase inhibitor activity Biological Process: cytokine and chemokine mediated signaling pathway; negative regulation of JAK-STAT cascade; negative regulation of protein kinase activity
Research Articles on CHAD	**1.** number of cells adhering via their beta(1) integrin receptor to collagen type II or chondroadherin was profoundly and rapidly enhanced by the addition of the heparin-binding peptide
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