

Product datasheet for TP524430

Comp (NM_016685) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse cartilage oligomeric matrix protein (Comp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA >MR224430 protein sequence

Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MGPTACVLVLALAILRATGQGQIPLGGDLAPQMLRELQETNAALQDVRELLRQQVKEITFLKNTVMECDA
CGMQPARTPGLSVRPVPLCAPGSCFPGVVCSETATGARGCPCPPGYTGNGSHCTDVNECNAHPCFPRVRC
INTSPGFHCEACPPGFSGPTHEGVGLTFAKSNKQVCTDINECETGQHNCVPNSVCVNTGRSFCGCPQPG
FVGDQTSQCRRGQHFCPDGSPSPCHEKANCVLERDGSRSCVCAVGWAGNGLLCGRDLDLGGFPDEKLRC
SERQCRKDNVCVTPNSGQEDVDRDGIGDACPDADGDGVPNEQDNCPLVRNPQQRNSDSKWDACDNCR
SKKNDQKDTDLDRGDACDDDDIDGDGIRNVADNCPRPVNFQSDSDGDGVDACDNCQKDNPDQRDVD
HDFVGDACDSDQDQDGDGHQDSRDNCPTVPNSAQQSDSDHDGKGDACDDDDDDNDGVPDSRDNCRLVPNPGQ
EDNDRDGVGDACQGDFFADKVIDKIDVCPENAETLDFRAFQTVWLDPEGDAQIDPNWVWLNQGMIEVQ
TMNSDPGLAVGYTAFNGVDFEGTFHVNTATDDDYAGFIFGYQDSSSFYVMWKQMEQTYWQANPFRAVAE
PGIQLKAVKSSTGPGEQLRNALWHTGDTASQVRLWKDPRNVGWKDKTSYRWFLQHRPQVGYIRVRFYEG
PELVADSNVVLDTAMRGGRLGVFCFSQENIIWANLRYRCNDTIPEDYESHRLQRV

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 82.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

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.



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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_057894
Locus ID:	12845
UniProt ID:	Q9R0G6
RefSeq Size:	2447
Cytogenetics:	8 34.15 cM
RefSeq ORF:	2268
Synonyms:	TSP5
Summary:	May play a role in the structural integrity of cartilage via its interaction with other extracellular matrix proteins such as the collagens and fibronectin. Can mediate the interaction of chondrocytes with the cartilage extracellular matrix through interaction with cell surface integrin receptors. Could play a role in the pathogenesis of osteoarthritis. Potent suppressor of apoptosis in both primary chondrocytes and transformed cells. Suppresses apoptosis by blocking the activation of caspase-3 and by inducing the IAP family of survival proteins (BIRC3, BIRC2, BIRC5 and XIAP). Essential for maintaining a vascular smooth muscle cells (VSMCs) contractile/differentiated phenotype under physiological and pathological stimuli. Maintains this phenotype of VSMCs by interacting with ITGA7 (By similarity). [UniProtKB/Swiss-Prot Function]