S100A4 cDNA Clone – S100 Calcium Binding Protein A4 (Human)

PRODUCT OVERVIEW

Product Name	S100A4, cDNA Clone
Full Product Name	S100A4 cDNA Clone
Product Gene Name	S100A4 cdna clone
Sequence	atggcgtgcc ctctggagaa ggccctggat gtgatggtgt ccaccttcca caagtactcg ggcaaagagg gtgacaagtt caagctcaac aagtcagaac taaaggagct gctgacccgg gagctgccca gcttcttggg gaaaaggaca gatgaagctg ctttccagaa gctgatgagc aacttggaca gcaacaggga caacgaggtg gacttccaag agtactgtgt cttcctgtcc tgcatcgcca tgatgtgtaa cgaattcttt gaaggcttcc cagataagca gcccaggaag aaatga
Molecular Weight	11,729 Da
OMIM	114210
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for S100A4 cdna clone	MBS1268354 is a cDNA clone targeting S100A4.
Other Notes	Small volumes of S100A4 cdna clone 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S100A4. It may not necessarily be applicable to this product.

NCBI GI #	16740880
NCBI GeneID	6275
NCBI Accession #	BC016300
UniProt Secondary Accession #	Q6ICP8; A8K7R8; D3DV46
UniProt Related Accession #	P26447
NCBI Official Full Name	Homo sapiens S100 calcium binding protein A4, mRNA
NCBI Official Synonym Full Names	S100 calcium binding protein A4
NCBI Official Symbol	S100A4
NCBI Official Synonym Symbols	42A; 18A2; CAPL; FSP1; MTS1; P9KA; PEL98
UniProt Protein Name	Protein S100-A4
UniProt Synonym Protein Names	Calvasculin; Metastasin; Placental calcium-binding protein; Protein Mts1; S100 calcium-binding protein A4
Protein Family	Protein
UniProt Gene Name	S100A4
UniProt Synonym Gene Names	CAPL; MTS1

UniProt Entry Name	S10A4_HUMAN
NCBI Protein Information	protein S100-A4
NCBI Summary for S100A4	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for S100A4	S100A4: is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008] Protein type: Cell development/differentiation; Calcium-binding Chromosomal Location of Human Ortholog: 1q21 Cellular Component: extracellular space; nucleus; perinuclear region of cytoplasm Molecular Function: protein binding; RAGE receptor binding Biological Process: epithelial to mesenchymal transition; positive regulation of I-kappaB kinase/NF-kappaB cascade
Research Articles on S100A4	**1.** S100A4 levels are elevated in human periodontal ligament cells in response to IL-1beta.
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