



Human CSPG4 peptide (DAG-P0874)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	A human melanoma-associated chondroitin sulfate proteoglycan plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. CSPG4 represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells. [provided by RefSeq, Jul 2008]
Specificity	Detected only in malignant melanoma cells.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 15 CSPG (NG2) repeats.Contains 2 laminin G-like domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CSPG4 chondroitin sulfate proteoglycan 4 [Homo sapiens (human)]
Official Symbol	CSPG4
Synonyms	CSPG4; chondroitin sulfate proteoglycan 4; NG2; MCSP; MCSPG; MSK16; HMW-MAA; MEL-CSPG; chondroitin sulfate proteoglycan NG2; melanoma chondroitin sulfate proteoglycan; melanoma-associated chondroitin sulfate proteoglycan; chondroitin sulfate proteoglycan 4 (melanoma-associated);

Entrez Gene ID	1464
mRNA Refseq	NM_001897.4
Protein Refseq	NP_001888.2
UniProt ID	Q6UVK1
Chromosome Location	15q24.2
Pathway	A tetrasaccharide linker sequence is required for GAG synthesis, organism-specific biosystem; CS/DS degradation, organism-specific biosystem; Chondroitin sulfate biosynthesis, organism-specific biosystem; Chondroitin sulfate/dermatan sulfate metabolism, organism-specific biosystem; Dermatan sulfate biosynthesis, organism-specific biosystem; Disease, organism-specific biosystem; Glycosaminoglycan metabolism, organism-specific biosystem; Heparan sulfate/heparin (HS-GAG) metabolism, organism-specif
Function	protein kinase binding; signal transducer activity;