

Recombinant Human CAV2

Cat. No. CAV2-26609TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Caveolin 2 (amino acids 1-162) with a N terminal proprietary tag: predicted molecular weight 43.89 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	162 amino acids
Description	The protein encoded by this gene is a major component of the inner surface of caveolae, small invaginations of the plasma membrane, and is involved in essential cellular functions, including signal transduction, lipid metabolism, cellular growth control and apoptosis. This protein may function as a tumor suppressor. This gene and related family member (CAV1) are located next to each other on chromosome 7, and express colocalizing proteins that form a stable hetero-oligomeric complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Additional isoforms resulting from the use of alternate in-frame translation initiation codons have also been described, and shown to have preferential localization in the cell (PMID:11238462).
Molecular Weight	43.890kDa inclusive of tags
Tissue specificity	Expressed in endothelial cells, smooth muscle cells, skeletal myoblasts and fibroblasts.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGLETEKADVQLFMDDDSYSHHSGLEYADPEKFADSDQDR DPHRLNSHLKLG FED VIAEPVTTHSFDKVVWICSHALFEIS KYVMYKFLT VFLAIP LAFIAGILFATLSCLHIWILM PFVK TCLMVLPSVQTIWKS VTDVIIAPLCTSVGRCFSSVSLQLS QD
Sequence Similarities	Belongs to the caveolin family.

GENE INFORMATION

Gene Name	CAV2 caveolin 2 [Homo sapiens]
Official Symbol	CAV2
Synonyms	CAV2; caveolin 2; caveolin-2; CAV;
Gene ID	858
mRNA Refseq	NM_001206747
Protein Refseq	NP_001193676
MIM	601048

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Uniprot ID	P51636
Chromosome Location	7q31
Pathway	Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;
Function	D1 dopamine receptor binding; phosphoprotein binding; protein binding; protein homodimerization activity; syntaxin binding;

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