Recombinant Human CAV1, His-tagged

Cat. No. CAV1-10749H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAV1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	11-179a.a.
Description	The centromere is a specialized chromatin domain, present throughout the cell cycle, that acts as a platform on which the transient assembly of the kinetochore occurs during mitosis. All active centromeres are characterized by the presence of long arrays of nucleosomes in which CENPA (MIM 117139) replaces histone H3 (see MIM 601128). CENPM is an additional factor required for centromere assembly (Foltz et al., 2006 [PubMed 16622419]).
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CAV1 caveolin 1, caveolae protein, 22kDa [Homo sapiens]

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Official Symbol	CAV1
Synonyms	CAV1; caveolin 1, caveolae protein, 22kDa; CAV, caveolin 1, caveolae protein, 22kD; caveolin-1; cell growth-inhibiting protein 32; CGL3; BSCL3; VIP21; MSTP085;
Gene ID	857
mRNA Refseq	NM_001172895
Protein Refseq	NP_001166366
MIM	601047
UniProt ID	Q03135
Chromosome Location	7q31
Pathway	ALK1 signaling events, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Basigin interactions, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem;
Function	cholesterol binding; kinase binding; nitric-oxide synthase binding; patched binding; peptidase activator activity; protein binding; protein complex scaffold; receptor binding; structural molecule activity; syntaxin binding;

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