

Recombinant Human CAV1 Protein, His-tagged

Cat. No. CAV1-215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAV1(Ser2~Ser104) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2~Ser104
Description	The scaffolding protein encoded by this gene is the main component of the caveolae plasma membranes found in most cell types. The protein links integrin subunits to the tyrosine kinase FYN, an initiating step in coupling integrins to the Ras-ERK pathway and promoting cell cycle progression. The gene is a tumor suppressor gene candidate and a negative regulator of the Ras-p42/44 mitogen-activated kinase cascade. Caveolin 1 and caveolin 2 are located next to each other on chromosome 7 and express colocalizing proteins that form a stable hetero-oligomeric complex. Mutations in this gene have been associated with Berardinelli-Seip congenital lipodystrophy. Alternatively spliced transcripts encode alpha and beta isoforms of caveolin 1
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	13.4kDa
Identity	Reconstitute in PBS or others

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

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

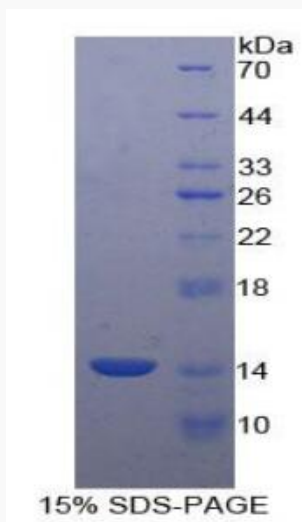
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