

HDFP500

Product Information

Product SKU:	HDFP500	Expression Host:	HEK293	Size:	50µg
Target:	CAV1	Tag:	-		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	Q03135
Molecular Weight:	The human full length CAV1 protein has a MW of 20.3 kDa		

Protein Information

Background: The scaffolding protein 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.

Synonyms: BSCL3; CGL3; LCCNS; MSTP085; PPH3; VIP21

Protein Description: Human CAV1 full length protein-MNP

Formulation: Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

Protein Pathways: Focal adhesion, Viral myocarditis.

Protein Families: Druggable Genome, Transmembrane.

Usage: Research use only

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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