Human ITGA5 Knockdown Cell Lysate

Cat. No. ITGA5-213HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated ITGA5 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha subunit and a beta subunit that function in cell surface adhesion and signaling. The encoded preproprotein is proteolytically processed to generate light and heavy chains that comprise the alpha 5 subunit. This subunit associates with the beta 1 subunit to form a fibronectin receptor. This integrin may promote tumor invasion, and higher expression of this gene may be correlated with shorter survival time in lung cancer patients. Note that the integrin alpha 5 and integrin alpha V subunits are encoded by distinct genes.
Form	Cell-Tissue Lysis buffer
Molecular Mass	115 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ITGA5 KD HeLa cell lysate
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ITGA5 integrin, alpha 5 (fibronectin receptor, alpha polypeptide) [Homo sapiens (human)]
Official Symbol	ITGA5
Synonyms	ITGA5; integrin, alpha 5 (fibronectin receptor, alpha polypeptide); FNRA; integrin alpha-5; CD49e; VLA-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor, alpha subunit; very late activation protein 5, alpha subunit; VLA5A;
Gene ID	3678
mRNA Refseq	NM_002205

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_002196
MIM	135620
UniProt ID	P08648

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA