Recombinant Mouse Itga5 Protein, Myc/DDK-tagged

Cat. No. Itga5-3596M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length integrin alpha 5 (fibronectin receptor alpha) (Itga5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The product of this gene belongs to the integrin alpha chain family. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes the integrin alpha 5 chain, which is proteolytically processed to generate light and heavy chains that join with beta 1 to form a fibronectin receptor. In addition to adhesion, integrins are known to participate in cell-surface mediated signaling. Integrin alpha 5 and integrin alpha V chains are produced by distinct genes. Homozygous knockout mice for this gene exhibit embryonic lethality. Alternative splicing results in multiple transcript variants.
Molecular Mass	115.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Itga5 integrin alpha 5 (fibronectin receptor alpha) [Mus musculus (house mouse)]
Official Symbol	Itga5
Synonyms	ITGA5; integrin alpha 5 (fibronectin receptor alpha); integrin alpha-5; integrin alpha-F; CD49 antigen-like family member E; fibronectin receptor subunit alpha; fibronectin receptor alpha polypeptide; Fnra; VLA5; Cd49e
Gene ID	16402
mRNA Refseq	NM_010577
Protein Refseq	NP_034707
UniProt ID	P11688

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