

Recombinant Mouse Integrin alpha-7(Itga7) ,partial

Catalog Number: CSB-YP723425MO

Product Name:	Recombinant Mouse Integrin alpha-7(Itga7) ,partial
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Relevance :	Integrin alpha-7/beta-1 is the primary laminin receptor on skeletal myoblasts and adult myofibers. During myogenic differentiation, it may induce changes in the shape and mobility of myoblasts, and facilitate their localization at laminin-rich sites of secondary fiber formation. Involved in the maintenance of the myofibers cytoarchitecture as well as for their anchorage, viability and functional integrity. Mice carrying a ITGA7 null allele are viable and fertile, but show progressive muscular dystrophy starting soon after birth, but with a distinct variability in different muscle types. Required to promote contractile phenotype acquisition in differentiated airway smooth muscle (ASM) cells. Acts as Schwann cell receptor for laminin-2. Acts as a receptor of COMP and mediates its effect on vascular smooth muscle cells (VSMCs) maturation (By similarity).
Mol. Weight:	9.8kDa
Product Info :	N terminal 6xHis-tagged
Source:	Yeast
Purity:	>90%(SDS-PAGE)
Storage Buffer:	Tris-based buffer, 50% glycerol
Storage :	Store at -20°C , for extended storage, conserve at -20°C or -80°C .
Notes :	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week.
AA sequence:	VMGAIKKEGEPGSLFGFSVALHRQLQPRPQSWLLVGAPQALALPGQQANRTGGL FACPLSLEETDCYRVDIDR
References:	"Synaptic integrins in developing, adult, and mutant muscle: selective association of alpha1, alpha7A, and alpha7B integrins with the neuromuscular junction." Martin P.T., Kaufman S.J., Kramer R.H., Sanes J.R. Dev. Biol. 174:125-139(1996)