

## Recombinant Mouse Itgb6 Protein, Myc/DDK-tagged

Cat. No. Itgb6-3610M    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Purified recombinant protein of mouse full-length integrin beta 6 (Itgb6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                                                                                                                                                                                                                                            |
| Species          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Description      | Integrin alpha-V:beta-6 (ITGAV:ITGB6) is a receptor for fibronectin and cytotactin. It recognizes the sequence R-G-D in its ligands. ITGAV:ITGB6 acts as a receptor for fibrillin-1 (FBN1) and mediates R-G-D-dependent cell adhesion to FBN1. Integrin alpha-V:beta-6 (ITGAV:ITGB6) mediates R-G-D-dependent release of transforming growth factor beta-1 (TGF-beta-1) from regulatory Latency-associated peptide (LAP), thereby playing a key role in TGF-beta-1 activation. |
| Molecular Mass   | 86.5 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.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                               |

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Itgb6 integrin beta 6 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Itgb6](#)

**Synonyms** ITGB6; integrin beta 6; integrin beta-6; 2210409C20Rik; 4831415H04Rik

**Gene ID** [16420](#)

**mRNA Refseq** [NM\\_001159564](#)

**Protein Refseq** [NP\\_001153036](#)

**UniProt ID** [Q9Z0T9](#)

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