

# Active Recombinant Human ITGA6

**Cat. No.** ITGA6-609H    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human ITGA6 (Accession # NP_000201 (Integrin alpha 6) & P16144 (Integrin beta 4)) was produced in Chinese Hamster Ovary cell line, CHO-derived.                                   |
| <b>Species</b>              | Human                                                                                                                                                                                         |
| <b>Source</b>               | CHO                                                                                                                                                                                           |
| <b>Predicted N Terminal</b> | Phe24 ( alpha 6) & Asn28 ( beta 4)                                                                                                                                                            |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS.                                                                                                                                            |
| <b>Bio-activity</b>         | Measured by its binding ability in a functional ELISA. When Mouse Laminin I is coated at 10 µg/mL, Recombinant Human Integrin alpha 6 beta 4 binds with an apparent KD <5 nM.                 |
| <b>Molecular Mass</b>       | Recombinant Human ITGA6 has a calculated MW of 104 kDa ( alpha 6) & 84.8 kDa ( beta 4). In SDS-PAGE migrates as 125-135 kDa ( alpha 6) & 100-110 kDa ( beta 4), reducing conditions.          |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | PPP3CA protein phosphatase 3, catalytic subunit, alpha isozyme [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>     | PPP3CA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | PPP3CA; protein phosphatase 3, catalytic subunit, alpha isozyme; CALN, CALNA, protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform , protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcineurin A alpha); serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform; calcineurin A alpha; CNA1; PPP2B; protein phosphatase 2B; catalytic subunit; alpha isoform; CAM-PRP catalytic subunit; calmodulin-dependent calcineurin A subunit alpha isoform; protein phosphatase 2B, catalytic subunit, alpha isoform; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform; CALN; CCN1; CALNA; CALNA1; |
| <b>Gene ID</b>             | 5530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_000944                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_000935                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 114105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | Q08209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Chromosome Location</b> | 4q24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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