

ITGB2 (Human) Recombinant Protein

Catalog # P9631

Size 2 x 10 ug

Specification

Product Description	Human ITGB2 (P05107, 23 a.a. - 700 a.a.) partial recombinant protein with His tag at C-terminus expressed in Sf9 cells.
Sequence	QECTKFKVSSCRECIESGPGCTWCQKLNFTGPGDPDSIRCDTRPQLLMRGCAADDIMDPTSLAE TQEDHNGGQKQLSPQKVTLYLRPGQAAAFNVTFERRAKGYPIDLYLMDLSYSMLDDLNRNVKKLGG DLLRALNEITESGRIGFGSFVDKTVLPFVNTHPDKLRNPCPNKEKECQPPFAFRHVLKLTNNSNQF QTEVGKQLISGNLDAPEGGLDAMMQVAACPEEIGWRNVTRLLVFATDDGFHFAGDGKLGAILTPN DGRCHLEDNLYKRSNEFDYPSVQGLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSAVGELSEDS SNVVQLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHRNQPRGDCDGVQINVPITFQVKV TATECIQEQS FVIRALGFTDMTVQVLPQCECRCRDQSRDRSLCHGKGFLECGICRCDTGYIGKNC ECQTQGRSSQELEGSCRKDNNSIICSLGDCVCGQCCLCHTSDVPGKLIYGQYCECDTINCERYNG QVCGGPGRGLCF CGKCRCHPGFECSACQCERTTEGCLNPRRVECSGRGRRCRCNVCECHSGY QLPLCQCECPGCPSPCGKYSCAECLKFEKGPF GKNC SAACPLQLSNNPVKGRTCKERDSEGC WVAYTLEQQDGM DRYLIYVDESRECVAGPNLEHHHHHH
Host	insect
Theoretical MW (kDa)	75.90000000000001
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 85.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 2-4 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — ITGB2

Entrez GeneID [3689](#)

Protein Accession# [P05107](#)

Gene Name ITGB2

Gene Alias CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MFI7

Gene Description integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)

Omim ID [116920 600065](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The product of this gene belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combines with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations

CD18 subunit|OTTHUMP00000115278|OTTHUMP00000115279|OTTHUMP00000115281|OTTHUMP00000115282|beta 2 integrin subunit|cell surface adhesion glycoprotein LFA-1/CR3/P150, 959 beta subunit precursor)|complement receptor C3 beta-subunit|integrin beta 2|integrin bet

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Asthma](#)

- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Constriction](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Enterocolitis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hirschsprung Disease](#)
- [Hypercholesterolemia](#)
- [Infant](#)
- [Inflammation](#)
- [Intracranial Thrombosis](#)

- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Parkinson disease](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)
- [Werner syndrome](#)