

Proteoliposomes

Full-Length

ITGB2 (Human) Recombinant Protein

Catalog # H00003689-G01

Size 10 ug

Specification

Product Description

Human ITGB2 full-length ORF (AAH05861.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MLGLRPPLLALVGLLSLGCVLSQECTKFKVSSCRECIESGPGCTWCQKLNFTGPGDPDSIRCDT
RPQLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYLRPGQAAAFNVTFERRAKGYIDL
YYLMDLSYSMLDDLNRNVKKLGGDLLRALNEITESGRIGFGSFVDKTVLPFVNTHPKLRNPCPNKE
KECQPPFAFRHVLKLTNNSNQFQTEVGKQLISGNLDAPEGGLDAMMQVAACPEEIGWRNVTRLL
VFATDDGFHFAGDGKLGAILTPNDGRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSR
MVKTYEKLTEIIPKSAVGELSEDSSNVVHLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTH
RNQPRGDCDGVQINVPITFQVKVTATECIEQSFVIRALGFTDIVTVQVLPQCECRCDQSRDRSL
CHGKGFLECGICRCDTGYIGKNCECQTQGRSSQELEGSCRKDNNSIICSGLGDCVCGQCLCHTS
DVPGLIYGQYCECDTINCERYNGQVCGGPGRGLCFGKCRCHPGFEGSACQCERTTEGCLNP
RRVECSGRGRRCNVCECHSGYQLPLCQCEPGCPSPCGKYISCAECLKFEKGPF GKNC SAAC
PGLQLSNNPVKGR TCKERDSEGCWVAYTLEQQDGMDRYLIYDESRECVAGPNIAAVGGTVAGI
VLIGILLLVWKALIHLSDLREYRRFEKEKLKSQWNNDNPLFKSATTVMNPKFAES

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.8

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — ITGB2

Entrez GeneID [3689](#)

GeneBank Accession# [BC005861.2](#)

Protein Accession# [AAH05861.1](#)

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](#)