

Recombinant Full Length Human ITGAD Protein, C-Flag-tagged

Cat. No. ITGAD-1941HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITGAD Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene belongs to the beta-2 integrin family of membrane glycoproteins, which are composed of non-covalently linked alpha and beta subunits to form a heterodimer. It encodes the alpha subunit of the cell surface heterodimers and is involved in the activation and adhesion functions of leukocytes. The gene is located about 11kb downstream of the integrin subunit alpha X gene, another member of the integrin family. It is expressed in the tissue and circulating myeloid leukocytes. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	124.9 kDa
AA Sequence	MTFGTVLLLSVLASYHGFNLDVEEPTIFQEDAGGFGQSVVQFGGSRLVVGAPLEV AANQTGRLYDCAAA TGMCPQIPLHIRPEAVNMSLGLTLAASTNGSRLLACGPTLHR VCGENSYSKGSCLLLGSRWEIIQTVPDA TPECPHQEMDIVFLIDGSGSIDQNDFNQ M KGFVQAVMGQFEGTDTL FALMQYSNLLKIHFTFTQFRTSPS QQSLVDPIVQLKGLTF TATGILTVVTQLFH HKNGARKSAKKILIVITDGQKYKDPLEYSVIPQA EKAGI IRYAIG

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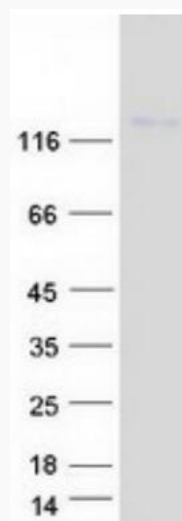
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VGHAFQGPTARQELNTISSAPPQDHVFKVDNFAALGSIQKQLQEKIYAVEGTQSRAS
 SSFQHEM SQEGFSTALTMDGLFLGAVGSFSWSGGAFLYPPNMSPTFINMSQENV
 MRDSYLGSTELALWKGVQNLV LGAPRYQHTGKAVIFTQVSRQWRKKA EVTGTQI
 GSYFGASLCSVDVSDGSTDILIGAPHYYEQTRGGQ VSVCP LPRGRVQWQCDAV
 LRGEQGHWPGRFGAALTVLGDVNEDKLIDVAIGAPGEQENRGAVYLFHGASE SGIS
 PSHSQRIASSQLSPRLQYFGQALSGGQDLTQDGLMDLAVGARGQVLLLRSLPVLKV
 GVAMRFSPVE VAKAVYRCWEEKPSALEAGDATVCLTIQKSSLDQLGDIQSSVRFDL
 ALDPGR LTSRAIFNETKNPTLTRR KTLGLGIHCETLKLLLPDCVEDVVSPILHLNFSL
 VREPIPSQNLRPVLAVGSQDLFTASLPFEKNCGQ DGLCEGDLGVTL SFSG LQTLT
 VGSSLELNVIVTVWNAGEDSYGTVVSLYYPAGLSHRRVSGAQKQPHQSA LRLACE
 TVPTEDEGLRSSRCSVNHPHFHEGSNGTFIVTFDVSYKATLGDRMLMRASASSENK
 ASSSKAT FQLELPVKYAVYTMISRQEESTKYFNFATSDEKKMKEAEHRYRVNNLSQ
 RDLAISINFWVPVLLNGVAVW DVVMEAPSQSLPCVSEKPPQHSDFLTQISRSPML
 DCSIADCLQFRCDVPSFSVQEELDFTLKGNSFGW VRET LQKKVLVVSVAEITFDTS
 VYSQ LPGQEAFMRAQMEMVLEEDEVYNAIPIIMGSSVGALLLLALITA TLYKLGFFKR
 HYKEMLEDKPEDTATFSGDDFSCVAPNVPLS TRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Regulation of actin cytoskeleton
Full Length	Full L.
GENE INFORMATION	
Gene Name	ITGAD integrin subunit alpha D [Homo sapiens (human)]
Official Symbol	ITGAD
Synonyms	ADB2; CD11D
Gene ID	3681
mRNA Refseq	NM_005353.3
Protein Refseq	NP_005344.2
MIM	602453
UniProt ID	Q13349

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Coomassie blue staining of purified ITGAD protein.

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