

Product datasheet for TP324758

CD11d (ITGAD) (NM_005353) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human integrin, alpha D (ITGAD), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224758 representing NM_005353 Red=Cloning site Green=Tags(s)

MTFGTVLLLSVLASYHGFNLDVEEPTIFQEDAGGFGQSVVQFGGSRLVWGAPLEWVAANQTGRLYDCAA
TGMCQPIPLHIRPEAVNMSLGLTLAASNRSLLACGPTLHRVCGENSYSKGSCLLLGSRWEIIQTPDA
TPECPHQEMDIVFLIDGSGSIDQNDFNQMKGFVQAVMGQFEGTDTLALMQLYNLLKIHFTFTQFRTSPS
QQSLVDPIVQLKGLTFTATGILTVVTQLFHKKNGARKSAKKILIMITDGGQKYKDPLEYSVIPQAEKAGI
IRYAIGVGHAFQGPPTARQELNNTISSAPPQDHVFKVDNFAALGSIQKQLQEKIYAVEGTQSRASSSFQHEM
SQEGFSTALTMDFLFLGAVGSFSWSGGAFLYPPNMSPTFINMSQENVDMRDSYLGSTELALWKGVQNLV
LGAPRYQHTGKAVIFTQVSRQWRKKA EVTGTQIGSYFGASLCSVDVSDGSTDLLIGAPHYYEQTRGGQ
VVCPLPRGRVWQCDAVLRGEQGHWPGRFGAALTVLGDVNEKLDVAIGAPGEQENRGAVYLFHGASE
SGISPSHSQRIASSQLSPRLQYFGQALSGGQDLTQDGLMDLAVGARGQVLLLRSLPVLKVGAMRFPVPE
VAKAVYRCWEEKPSALEAGDATVCLTIQKSSLDQLGDIQSSVRFDLALDPGRILTSRAIFNETKNPTLTRR
KTLGLGIHCETLKLPLDCVEDVVSPIILHLNFSVREIPSPQNLRPVAVGSDQLFTASLPFEKNCGQ
DGLCEGLDGLVTLFSGLQTLTVGSSLELNVIVTWNAGEDSYGTVVSLLYPAGLSHRRVSGAQKQPHQSA
LRLACETVPTDEGLRSSRCSVNHPIFHEGSNGTFFIVTFDVSYKATLGDRLMLRASSENKASSKAT
FQLELPVKYAVYTMISRQEESTKYFNFATSDEKKMKEAEHRYRVNLSQRDLAISINFWVPVLLNGVAVW
DVMMEAPSQLPCVSRKPPQHSDFLTQISRSPMLDCSIADCLQFRCDVPSFSVQEELDFTLKGNSLFGW
VRETLLQKKVLVSVAEITFDTSVYSQLPGQEA FMRAQMEMVLEEDVYNAIPIIMGSSVGALLLALITA
TLYKLGFFKRHYKEMLEDKPEDTATFSGDDFSCVAPNVPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

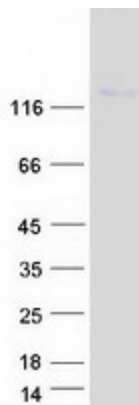
Tag:	C-Myc/DDK
Predicted MW:	124.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005344
Locus ID:	3681
UniProt ID:	Q13349 , Q59H14
RefSeq Size:	3912
Cytogenetics:	16p11.2
RefSeq ORF:	3483
Synonyms:	ADB2; CD11D
Summary:	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. [provided by RefSeq, Dec 2015]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified ITGAD protein (Cat# TP324758). The protein was produced from HEK293T cells transfected with ITGAD cDNA clone (Cat# [RC224758]) using MegaTran 2.0 (Cat# [TT210002]).