

## Product datasheet for **TP324758M**

### CD11d (ITGAD) (NM\_005353) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human integrin, alpha D (ITGAD), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC224758 representing NM\_005353  
Red=Cloning site Green=Tags(s)

MTFGTVLLLSVLASYHGFNLDVEEPTIFQEDAGGFGQSVWQFGGSRLVWGAPLEWVAANQTGRLYDCAA  
 TGMCQPIPLHIRPEAVNMSLGLTLAASNRSLLACGPTLHRVCGENSYSGSCLLLGSRWEIIQTPDA  
 TPECPHQEMDIVFLIDGSGSIDQNDFNQMKGFVQAVMGQFEGTDTLALMQLYNLLKIHFTFTQFRTSPS  
 QQSLVDPIVQLKGLTFTATGILTVVTQLFHKKNGARKSAKKILIMITDGGQKYKDPLEYSVIPQAEKAGI  
 IRYAIGVGHAFQGPPTARQELNTISSAPPQDHVFKVDNFAALGSIQKQLQEKIYAVEGTQSRASSSFQHEM  
 SQEGFSTALTMDFLFLGAVGSFSWSGGAFLYPPNMSPTFINMSQENVDMRDSYLGSTELALWKGVQNLV  
 LGAPRYQHTGKAVIFTQVSRQWRKKA EVTGTQIGSYFGASLCSVDVSDGSTDLLIGAPHYYEQTRGGQ  
 VVVCPLPRGRVWQCDAVLRGEQGHWPGRFGAALTVLGDVNEKLDVAIGAPGEQENRGAVYLFHGASE  
 SGISPSHSQRIASSQLSPRLQYFGQALSGGQDLTQDGLMDLAVGARGQVLLLRSLPVLKVGAMRFPVPE  
 VAKAVYRCWEEKPSALEAGDATVCLTIQKSSLDQLGDIQSSVRFDLALDPGRILTSRAIFNETKNPTLRR  
 KTLGLGIHCETLKLPLDCVEDVVSPIILHLNFSVREIPSPQNLRPVLAVGSDQLFTASLPFEKNCGQ  
 DGLCEGDLGVTLSFSGLQTLTVGSSLELNVIVTWNAGEDSYGTVVSLLYPAGLSHRRVSGAQKQPHQSA  
 LRLACETVPTDEGLRSSRCSVNHPIFHEGSNGTFFIVTFDVSYKATLGDRLMRASSENKASSKAT  
 FQLELPVKYAVYTMISRQEESTKYFNFATSDEKKMKEAEHRYRVNLSQRDLAISINFWVPVLLNGVAVW  
 DVVMEAPSQLPCVSRKPPQHSDFLTQISRSPMLDCSIADCLQFRCDVPSFSVQEELDFTLKGNLSFGW  
 VRETLLQKKVLVSVAEITFDTSVYSQLPGQEA FMRAQMEMVLEEDVYNAIPIIMGSSVGALLLALITA  
 TLYKLGFFKRHYKEMLEDKPEDTATFSGDDFSCVAPNVPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

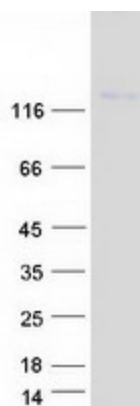
**Tag:** C-Myc/DDK  
**Predicted MW:** 124.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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