

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

Cat. No. ITGAM-737HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITGAM Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	125.4 kDa
AA Sequence	MALRVLLLTALTLC HGFNLDTENAMTFQENARGFGQSVVQLQGSRVVVGAPQEIVA ANQRGSLYQCDYST GSCEPIRLQVPVEAVNMSLGLSLAATTSP PQLLACGPTVHQT CSENTYVKGLCFLFGSNLRQQPQKFPEA LRGCPQEDSDIAFLIDGSGSIIPHDFRRM KEFVSTVMEQLKKSKTLFSLMQYSEEFRIHFTFKEFQNNPN PRSLVKPITQLLGRTH

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TATGIRKVVRELFNITNGARKNAFKILVVITDGEKFGDPLGYEDVIPEADREGV IRYVI
 GVGDAFRSEKSRQELNTIASKPPRDHVFQVNNFEALKTIQNQLREKIFAIEGTQTGSS
 SSFEHEM SQEGFSAAITSNGPLLSTVGSYDWAGGVFLYTSKEKSTFINMTRVDSDM
 NDAYLGYAAIILNRVQSLV LGAPRYQHIGLVAMFRQNTGMWESNANVKGTQIGA
 YFGASLCSVDVDSNGSTDVLIGAPHYYEQTRGGQ V SVCPLPRGRARWQCDAVLY
 GEQGQPWGRFGAALTVLGDVNGDKLTDVAIGAPGEEDNRGAVYLFHGTSG SGISP
 SHSQRIAGSKLSPRLQYFGQSLSGGQDLTMDGLVDLTVGAQGHVLLRSQPVLRVK
 AIMEFNPRE VARNVFECNDQVVKGEAGEVRVCLHVQKSTRDRLREGQIQSVVTY
 DLALDSGRPHSRAVFNETKNSTRR QTQVLGLTQTCETLKLQLPNCIEDPVSPIVLRL
 NFSLVGTPLSAFGNLRPVLAEDAQRLFTALFPFEKNC GNDNICQDDLSITFSFMSLD
 CLVVGGPREFNVTVTVRNDGEDSYRTQVTFFFPLDLSYRKVSTLQNQRSQ RSWRL
 ACESASSTEVS GALKSTSCSINHPIFPENSEVTFNITFDVDSKASLGKLLKANKVTSE
 NNMPRT NKTEFQLELPVKYAVYMMVVTSHGVSTKYLNFTASENSTRVMQHQQVSN
 LGQRSLPISLVFLVPVRLNQT VIWDRPQVTFSENLSSTCHTKERLPSHSDFLAELRK
 APVVNCSIAVCQRIQCDIPFFGIQEEFNATLKGN L SFDWYIKTSHNHLLIVSTAEILFN
 DSVFTLLPGQGAFVRSQTETKVEPFEVNPPLPLIVGSSVGGLLLL
 ALITAALYKLGFFKRQYKDDMMSEGGPPGAEPQTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

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.

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Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways	Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Leukocyte transendothelial migration, Regulation of actin cytoskeleton
Full Length	Full L.

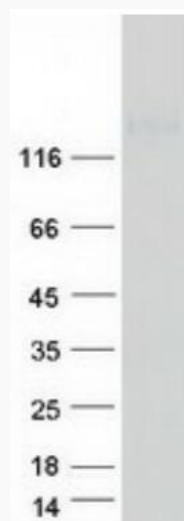
GENE INFORMATION

Gene Name	ITGAM integrin subunit alpha M [Homo sapiens (human)]
Official Symbol	ITGAM
Synonyms	CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6
Gene ID	3684
mRNA Refseq	NM_000632.4
Protein Refseq	NP_000623.2
MIM	120980
UniProt ID	P11215

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Coomassie blue staining of purified ITGAM protein.

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