

Recombinant Mouse ITGAX Protein Product Manual

1. Product Basic Information

Product No.: REP07257

Protein Name: Myeloid Membrane Antigen, Alpha Subunit (ITGAX)

Aliases: CD11C; SLEB6; myeloid membrane antigen, alpha subunit; complement component 3 receptor 4 subunit; leukocyte surface antigen p150,95, alpha subunit

UniProt ID: P20702

UniProt Link: <https://www.uniprot.org/uniprotkb/P20702/entry>

Species Source: Mus musculus (Mouse)

Expression System: Baculovirus

Protein Length: Partial (20-1116aa)

Molecular Weight: 165.4 kDa

Protein Tag: N-terminal MBP-tagged and C-terminal 6xHis-tagged

2. Amino Acid Sequence (20-1116aa)

FNLDAEKLTHFHMDGAIEFGHSLVLYDSSWVVVGAPKEIKATNQIGGLYKCGYHTG
NCEPISLQVPPEAVNISLGLSLAAATNPSWLLACGPTVHHTCRENIYLTGLCFLLSSS
FKQSQNFPPTAQCECPKQDQDIVFLIDGSGSISSTDFEKMDFVKAVMSQLQRPSTR
FSLMQFSDFRVHFTFNNFISTSSPLSLLGSVRQLRGYTYTASAIKHVITELFTTQSG
ARQDATKVLIVITDGRKQGDNLSDVIPMAEAASIIRYAIGVGKAFYNEHSKQELKAI
ASMPSEHYVFSVENFDALKDIENQLKEKIFAIEGTETPSSSTFELEMSQEGFSVFTF
DGPVLGAVGSFWSGGAFLYPSNMRPTFINMSQENEDMRDAYLGYSTALAFWKG
VHSLILGAPRHQHTGKVVIFTQESRHWPKSEVRGTQIGSYFGASLCSVDMDRDGS
TDLVLIGVPHYEHTRGGQVSVCPMPGVGSRWHCGTTLHGEQGHWPGRFGAALT
VLGDVNGDSLADVAIGAPGEEENRGAVYIFHGASRQDIAPSPSQRISASQIPSRQYF
GQSLSGGQDLTRDGLVDLAVGSKGRVLLLRTRPILRVSPTVHFTPAEISRSVFECQE
QVAPEQTLSDATVCLHIHESPKTQLGDLRSTVTFDLALDHGRLSTRAIFKETKTRALT
RVKTLGLNKHCESVKLLLPACVEDSVTPITLRLNFSLVGVPISSLQNLQPMLAVDDQT
YFTASLPFEKNCGADHICQDDLSVVFGLPDLKTLVVGSDLELNVDVTVSNDGEDSY
GTTVTFLFYPVGLSFRRVAEGQVFLRKKEQDQWQRRGQHSLHLMCDSTPDRSQGL
WSTSCSSRHVIFRGGSQMTFLVTFDVSPKAELGDRLLLRARVGSENNVPGTPKTTF
QLELPVKYAVYTMISSHDQFTKYLNFSSTSEKEKTSVVEHRFQVNNLGQRDVPVSINF

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse ITGAX partial protein (20-1116aa) expressed in Baculovirus. The protein is dual-tagged with MBP tag at the N-terminus and 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ITGAX, also known as CD11C or SLEB6 or myeloid membrane antigen, alpha subunit, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.