Catalog Number: 230-10234-100



Recombinant Human ITGB1BP2/Melusin

Source

Species Human

Accession Number Q9UKP3-2
Gene Symbol ITGB1BP2

Expressed Region Ser2-Glu329

Synonyms ITGB1BP2, Integrin Beta 1 Binding Protein (Melusin) 2, MELUSIN, CHORDC3, ITGB1BP,

MSTP015

Preparation

Purification

Expression System Human Embryonic Kidney 293 Cells

Tag N-terminal 6x histidine tag

Unpurified cell lysate. HEK293 cells transfected with expression vectors harboring target gene were harvested and washed with PBS twice. The cell pastes were re-suspended with ice-cold PBS containing mammalian cell protease inhibitor cocktail and further lysed with freeze-thaw cycles. After clarifying with 20,000 g centrifugation at 4°C for 30 min, the lysate was aliquoted, hyperbilized, and storage at 180°C immediately. Protein concentration was determined by BCA kits

lyophilized, and stored at -80°C immediately. Protein concentration was determined by BCA kit (Thermo Scientific, Inc.) using BSA as protein standard. The gene overexpression in lysate was confirmed by Western blotting using anti-His tag antibody and/or target-specific antibodies and the lysate derived from HEK293 cells transfected with the empty expression vector was used as

a negative control.

Molecular Weight

Recombinant Human ITGB1BP2/Melusin has a calculated molecular mass of 36 kDa. The actual

molecular weight may increase slightly due to the potential post-modifications (PTMs).

Protein Specifications

Format Lyophilized powder

Formulation Lyophilized from a 0.2 ?m filtered solution in PBS containing mammalian cell protease inhibitor

cocktail

Concentration Determined by Pierce BCA protein assay kit

Preservative None

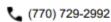
Reconstitution Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to

reconstitute at 0.5 - 1 mg/mL with sterile deionized water.

Shipping

Ice packs. Including one vial of HEK293 cell lysate transfected with empty expression vector.

Storage/Stability



Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20 °C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 °C. For long term storage, it is recommended to make appropriate aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.

