

# Product Information

## MemDX™ Membrane Protein Human ITGB7 (Integrin subunit beta 7) for Antibody Discovery

Cat. No.: **MP0807J**

This product is for research use only and is not intended for diagnostic use.

This product is a 86.7 kDa Human ITGB7 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

ITGB7

#### Protein Length

Full-length

#### Protein Class

Druggable Genome, Transmembrane

#### Molecular Weight

86.7 kDa

#### TMD

1

#### Sequence

MVALPMVLVLLLVLSRGESELDKIPSTGDATEWRNPHLSMLGSCQPAPSCQKCILSHPSCAWCKQLNFT  
ASGEAEARRCARREELLARGCPLEELEPRGQQEVLQDQPLSQGARGEGATQLAPQVRVRLRPGEPPQL  
QVRFLRAEGYPVDLYYLMDSLYSMKDDLRLVRLQGHALLVRLQEVTHSVRIGFGSFVDKTVLPFVSTVPS  
KLRHPCPTRLERCQSPFSFHHVLSLTGDAQAFEREVGRQSVSGNLDSPEGGFDAILQAALCQEQIGWRNV  
SRLLVFTSDDTFHTAGDGKLGIFMPDGHCHLDSNGLYSRSTFDYPSVGQVAQALSAANIPIFAVTS  
AALPVYQELSKLIPKSAVGELSEDSSNVVQLIMDAYNSLSSTVTLEHSSLPPGVHISYESQCEGPEKREG  
KAEDRGQCNHVRINQTVTFWVSLQATHCLPEPHLLRLRALGFSEELIVELHTLDCNCSDTQPQAPHCS  
DGGHLQCGVCSCAPGRLGRLCECSVAELSSPDLESGCRAPNGTGPLCSGKGHCQCGRCSCSGQSSGHLCE  
CDDASCEHILCGGFGRCQCGVCHCHANRTGRACECSGDMDCISPEGGLCSGHGRCKCNRCQCLDGY  
YGALCDQCPGCKTPCERHRDCAECGAFRTGPLATNCSTACAHTNVTALAPILDDGWCKERTLDNQLFFF  
LVEDDARGTVVLRVRPQEKGAHTQAIVLGCVGIVAVGLGLVLAYRLSVEIYDRREYSRFEKEQQQLNW  
KQDSNPLYKSAITTTINPRFQEADSPTL

### Product Description

#### Expression Systems

HEK293T

**Tag**

C-Myc/DDK

**Form**

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

ITGB7

**Full Name**

Integrin subunit beta 7

**Introduction**

This gene encodes a protein that is a member of the integrin superfamily. Members of this family are adhesion receptors that function in signaling from the extracellular matrix to the cell. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The encoded protein forms dimers with an alpha4 chain or an alphaE chain and plays a role in leukocyte adhesion. Dimerization with alpha4 forms a homing receptor for migration of lymphocytes to the intestinal mucosa and Peyer's patches. Dimerization with alphaE permits binding to the ligand epithelial cadherin, a calcium-dependent adhesion molecule. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

**Alternative Names**

integrin, beta 7; integrin beta 7 subunit

**Gene ID**

[3695](#)

**UniProt ID**

[P26010](#)