

# Product Information

## MemDX™ Membrane Protein Human CTRB1 (Chymotrypsinogen B1) for Antibody Discovery

Cat. No.: **MP1235J**

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

This product is a 27.5 kDa Human CTRB1 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

CTRB1

#### Protein Length

Full-length

#### Protein Class

Druggable Genome, Protease, Secreted Protein, Transmembrane

#### Molecular Weight

27.5 kDa

#### Sequence

MAFLWLLSCWALLGTTFGCGVPAIHPVLSGLSRIVNGEDAVPGSWPWQVSLQDKTGFHFCCGGS LISE DWV  
VTA AHCGVRTSDV VVAGEFDQGSDEENIQVLKIAKVFKNP KFSILT VNNDITLLKLATPARFSQTVSAVC  
LPSADDDFPAGTLCATTGWGKTKYNANKTPDKLQQAALPLLSNAECKKSWGRRITDVMICAGASGVSSCM  
GDSGGPLVCQKDGAWTLVGIVSWGSDTCSTSSPGVYARVTKLIPWVQKILAN

### 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**

CTRB1

**Full Name**

Chymotrypsinogen B1

**Introduction**

This gene encodes a member of the serine protease family of enzymes and forms a principal precursor of the pancreatic proteolytic enzymes. The encoded preproprotein is synthesized in the acinar cells of the pancreas and secreted into the small intestine where it undergoes proteolytic activation to generate a functional enzyme. This gene is located adjacent to a related chymotrypsinogen gene. This gene encodes distinct isoforms, some or all of which may undergo similar processing to generate the mature protein.

**Alternative Names**

CTRB; chymotrypsinogen B

**Gene ID**

[1504](#)

**UniProt ID**

[P17538](#)