

# Product Information

## MemDX™ Membrane Protein *Sus scrofa* (Pig) C3 (Complement C3) for Antibody Discovery

Cat. No.: **MP1556J**

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

This product is *Sus scrofa* (Pig) C3 membrane protein expressed in Yeast, *E.coli*, In Vivo Biotinylation, Baculovirus, or Mammalian cell. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

*Sus scrofa* (Pig)

#### Target Protein

C3

#### Protein Length

Partial

#### Protein Class

Drug Target

### Product Description

#### Expression Systems

Yeast

*E.coli*

In Vivo Biotinylation in *E.coli*

Baculovirus

Mammalian cell

#### Tag

N-His or Tag-Free

#### Form

Lyophilized powder

#### Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-58% of glycerol (final concentration).

#### Purity

>85% as determined by SDS-PAGE

#### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Storage**

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

**Target****Target Protein**

C3

**Full Name**

Complement C3

**Introduction**

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates (By similarity).

**Alternative Names**

C3; Complement C3 [Cleaved into: Complement C3 beta chain; C3-beta-c; C3bc); Complement C3 alpha chain; C3a anaphylatoxin; Acylation stimulating protein; ASP; C3adesArg); Complement C3b alpha' chain; Complement C3c alpha' chain fragment 1; Complement C3dg fragment; Complement C3g fragment; Complement C3d fragment; Complement C3f fragment; Complement C3c alpha' chain fragment 2]

**Gene ID**

[397072](#)

**UniProt ID**

[P01025](#)