

## PRODUCT DATA SHEET

### Mammaglobin A (Fc Chimera) Human HEK293

**Cat. No.:** RD172188100-HEK

**Size:** 0.1 mg

**Source:** HEK293

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

Mammaglobin-1, Secretoglobin family 2A member 2, SCGB2A2, MGB1, UGB2

#### Description:

Total 321 AA. MW: 36.3 kDa (calculated). UniProtKB acc. No. Q13296 (Gly19–Phe93). C-terminal linker (2 extra AA), TEV site (7 AA), Hu-IgG1 fragment (Pro100-Lys330, 231 AA) and C-terminal His-tag (6 AA). Protein identity confirmed by MS.

#### Amino Acid Sequence:

GSGCPLEENV ISKTINPQVS KTEYKELLQE FIDDNATTNA IDELKECFLN QTDETL SNVE  
VFMQLIYDSS LCDLFKLENL YFQGPKSCDK THTCP PCPAP ELLGGPSVFL FPPKPKDTLM  
ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD  
WLNQKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTL P SRDELTKNQ VSLTCLVKGF  
YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSV MHEAL  
HNHYTQKSLS LSPGKHHHHH H

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, 5% w/v trehalose pH 7.4

#### Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### Storage/Stability:

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for 5 days.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.