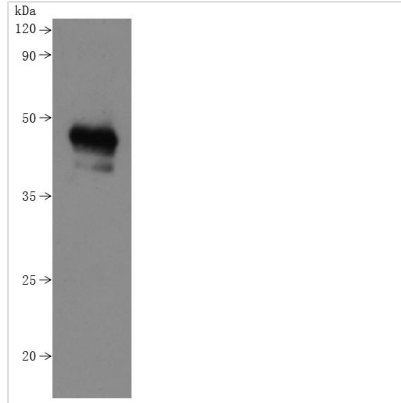


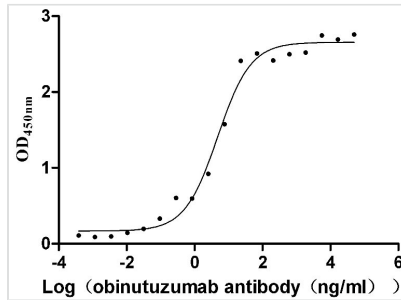


Recombinant Human B-lymphocyte antigen CD20 (MS4A1)-VLPs (Active)

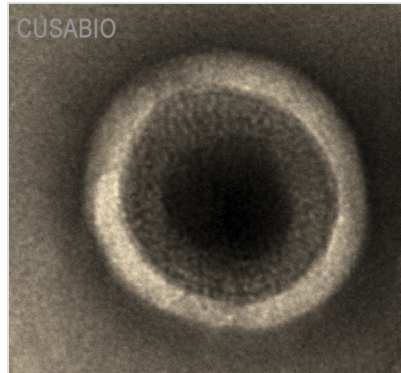
Product Code	CSB-MP015007HU
Abbreviation	Recombinant Human MS4A1 protein-VLPs (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P11836
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized human CD20 at 2 μg/mL can bind Anti-CD20 recombinant antibody (CSB-RA015007A1HU), the EC ₅₀ is 3.243-7.085 ng/mL.
Purity	≥ 90% as determined by SEC-HPLC.
Sequence	MTTPRNSVNGTFPAEPMKGP IAMQSGPKPLFRMSSLVGPTQSFFMRESKTL GAVQIMNGLFHIALGLLMIPAGIYAPICVTVWYPLWGGIMYIISGSLLAATEKNS RKCLVKGKMIMNSLSLFAAISGMILSIMDILNIKISHFLKMESLNFIRAHTPYINIYN CEPANPSEKNPSTQYCYSIQSLFGLILSVMLIFAFFQELVIAGIVENEWKRTCS RPKSNIVLLSAEEKKEQTIEIKEEVVGLTETSSQPKNEEDIEIPIQEEEEEEETETN FPEPPQDQESSPIENDSSP
Research Area	Cancer
Source	Mammalian cell
Target Names	MS4A1
Expression Region	1-297aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Mol. Weight	34.4 kDa
Protein Length	Full Length
Image	



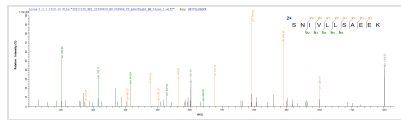
Western Blot
CSB-MP015007HU is detected by Mouse anti-6*His monoclonal antibody.



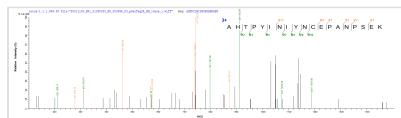
Activity
Measured by its binding ability in a functional ELISA. Immobilized human CD20 at 2 µg/ml can bind Anti-CD20 recombinant antibody (CSB-RA015007A1HU), the EC₅₀ is 3.243-7.085 ng/mL.



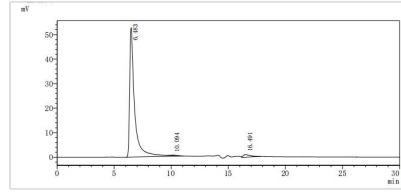
The presence of VLP-like structures was confirmed by TEM



Based on the SEQUEST from database of Mammalian Cell host and target protein, the LC-MS/MS Analysis result of CSB-MP015007HU could indicate that this peptide derived from Mammalian Cell-expressed Homo sapiens (Human) CD20.



Based on the SEQUEST from database of Mammalian Cell host and target protein, the LC-MS/MS Analysis result of CSB-MP015007HU could indicate that this peptide derived from Mammalian Cell-expressed Homo sapiens (Human) CD20.



The purity of VLPs was greater than 90% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.