

Transmembrane 4 L6 family member 1 (TM4SF1) Recombinant Protein | TM4SF1 recombinant protein

Recombinant Human Transmembrane 4 L6 family member 1 (TM4SF1)-VLPs (Active)

CATALOG # AAA279274	HOST Mammalian cell
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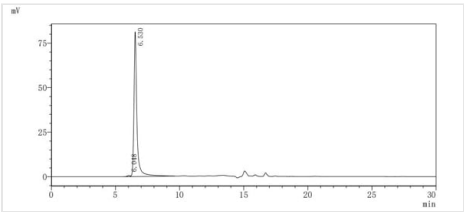
PRODUCT SYNONYMS

Transmembrane 4 L6 family member 1 (TM4SF1); Recombinant Human Transmembrane 4 L6 family member 1 (TM4SF1)-VLPs (Active); M3S1; TAAL6; TM4SF1 recombinant protein

PRODUCT SPECIFICATIONS

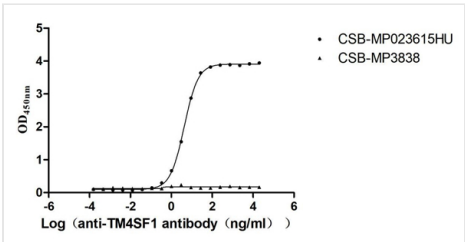
Host	Mammalian cell
Purity/Purification	The purity information is not available for VLPs proteins.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered PBS, 6% Trehalose, pH 7.4
Sequence Positions	1-202aa; Full Length
Sequence	MCYGKCARCI GHSLVGLALL CIAANILLYF PNGETKYASE NHLSRFVWFF SGIVGGGLLM LLPAFVFIGL EQDDCCGCCG HENCGKRCAM LSSVLAALIG IAGSGYCVIV AALGLAEGPL CLDSLQWNY TFASTEGQYL LDTSTWSECT EPKHIVEWNV SLFSILLALG GIEFILCLIQ VINGVLGGIC GFCCSHQQQY DC
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	CancerLess than 1.0 EU/ug as determined by LAL method.
Transmembrane Domain	4TM
Biological_Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TM4SF1 at 5 ug/mL can bind Anti-TM4SF1 recombinant antibody. The EC50 is 4.079-4.472 ng/mL. The VLPs is negative control.
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. Aliquot for long-term storage at -80 degree C. Solubilize for 60 minutes at room temperature with occasional gentle mixing. Avoid vigorous shaking or vortexing. The VLPs are expressed from human 293 cells (HEK293). Mix the sample gently by repeatedly pipetting it up and down. Do not vortex. Repeated freezing and thawing is not recommended. Store the protein at -20 degree C/-80 degree C upon receiving it, and ensure to avoid repeated freezing and thawing, otherwise, it will affect the protein activity. The immunization strategy should be optimized (antigen dose, regimen and adjuvant).

IMAGES



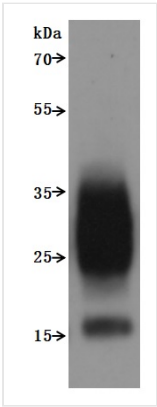
Application Data

The purity of VLPs was greater than 95% as determined by SEC-HPLC.



Bioactivity

Activity Measured by its binding ability in a functional ELISA. Immobilized Human TM4SF1 at 5ug/mL can bind Anti-TM4SF1 recombinant antibody, the EC₅₀ is 4.079-4.472 ng/mL. VLPs is negative control.



Application Data

is detected by Mouse anti-6*His monoclonal antibody. The two bands respectively correspond to monomer, Homodimer.

ADDITIONAL INFORMATION

Product Categories/Family for TM4SF1 recombinant protein	MP-VLP Transmembrane Protein & Active Protein & In Stock Protein
References	"Cloning and expression of the tumor-associated antigen L6."Marken J.S., Schieven G.L., Hellstroem I., Hellstroem K.E., Aruffo A.Proc. Natl. Acad. Sci. U.S.A. 89:3503-3507 (1992)"Membrane topology of the L6 antigen and identification of the protein epitope recognized by the L6 monoclonal antibody."Marken J.S., Bajorath J., Edwards C.P., Farr A.G., Schieven G.L., Hellstroem I., Hellstroem K.E., Aruffo A.J. Biol. Chem. 269:7397-7401 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21265101
NCBI GeneID	4071
NCBI Accession #	NP_055035.1
NCBI GenBank Nucleotide #	NM_014220.2
UniProt Accession #	P30408; Q6IB51
Molecular Weight	21,632 Da
NCBI Official Full Name	transmembrane 4 L6 family member 1
NCBI Official Synonym Full Names	transmembrane 4 L six family member 1
NCBI Official Symbol	TM4SF1
NCBI Official Synonym Symbols	L6; H-L6; M3S1; TAAL6

NCBI Protein Information	transmembrane 4 L6 family member 1; tumor-associated antigen L6; transmembrane 4 superfamily member 1; membrane component chromosome 3 surface marker 1; membrane component, chromosome 3, surface marker 1
UniProt Protein Name	Transmembrane 4 L6 family member 1
UniProt Gene Name	TM4SF1
UniProt Synonym Gene Names	M3S1; TAAL6
UniProt Entry Name	T4S1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/tm4sf1-recombinant-protein-mammalian/279274>