

Membrane protein MLC1 (MLC1) Recombinant Protein | MLC1 recombinant protein

Recombinant Human Membrane protein MLC1 (MLC1)-VLPs

CATALOG # AAA279280	HOST Mammalian cell
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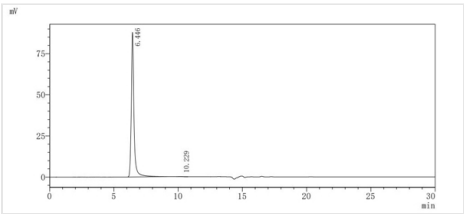
PRODUCT SYNONYMS

Membrane protein MLC1 (MLC1); Recombinant Human Membrane protein MLC1 (MLC1)-VLPs; MLC1; MLC1 recombinant protein

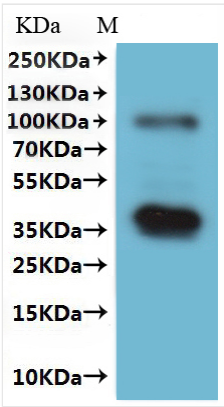
PRODUCT SPECIFICATIONS

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	1-377aa; Full Length
Sequence	MTQEPFREEL AYDRMPTLER GRQDPASYAP DAKPSDLQLS KRLPPCFSHK TWVFSVLMGS CLLVTSGFSL YLGNVFPAEM DYLRCAAGSC IPSAIVSFTV SRRNANVIPN FQILFVSTFA VTTTCLIWFG CKLVLNPSAI NINFNLILL LLELLMAATV IIAARSSEED CKKKKGMSD SANILDEVFP PARVLKSYSV VEVIAGISAV LGGIILNVD DSVSGPHLSV TFFWILVACF PSAIASHVAA ECPSKCLVEV LIAISLTSP LLFTASGYLS FSIMRIVEMF KDYPPIAKPS YDVLILLLLL VLLQAGLNT GTAIQCVRFK VSARLQGASW DTQNGPQERL AGEVARSPK EFDKEKAWRA VVVQMAQ
Species	Homo sapiens (Human)
Tag	C-terminal 10xHis-tagged (This tag can be tested only under denaturing conditions)
Research Area	Signal Transduction
Transmembrane Domain	8TM
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



Application Data
is detected by Mouse anti-6*His monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for MLC1 recombinant protein	Regulates the response of astrocytes to hypo-osmosis by promoting calcium influx.
Product Categories/Family for MLC1 recombinant protein	MP-VLP Transmembrane Protein & Developed Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	14589896
NCBI GeneID	23209
NCBI Accession #	NP_055981.1
NCBI GenBank Nucleotide #	NM_015166.3
UniProt Accession #	Q15049; Q5JZ83; Q8TAG4; Q96RP5; Q9UGY8; B3KW61; B7Z659
Molecular Weight	37,974 Da
NCBI Official Full Name	membrane protein MLC1
NCBI Official Synonym Full Names	megaloencephalic leukoencephalopathy with subcortical cysts 1
NCBI Official Symbol	MLC1
NCBI Official Synonym Symbols	VL; LVM; MLC
NCBI Protein Information	membrane protein MLC1
UniProt Protein Name	Membrane protein MLC1
UniProt Gene Name	MLC1
UniProt Synonym Gene Names	KIAA0027; WKL1
UniProt Entry Name	MLC1_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.