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Datasheet for ABIN1097799

VM01 Protein (AA 25-202) (His tag)

Overview

Quantity:	50 µg
Target:	VM01
Protein Characteristics:	AA 25-202
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VM01 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Vitelline Membrane Outer Layer Protein 1 Homolog/VM01 (C-6His)
Sequence:	QTDGRNGYTA VIEVTSGGPW GDWAWPEMCP DGFFASGFSL KVEPPQGIPG DDTALNGIRL HCARGNVLGN THVVESQSGS WGEWSEPLWC RGGAYLVAFS LRVEAPTTLG DNTAANNVRF RCSDGEELQG PGLSWGDFGD WSDHCPKGAC GLQTKIQGPR GLGDDTALND ARLFCCRSVD HHHHHH
Characteristics:	Recombinant Human Vitelline Membrane Outer Layer Protein 1 Homolog/VM01 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Gln25-Ser202) of Human VMO-1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	VM01
Alternative Name:	vmo1 (VM01 Products)
Sub Type:	Fusionprotein
Background:	<p>Vitelline membrane outer layer protein 1 homolog (VM01) belongs to the VM01 family is a 202 amino acid secreted protein. Exact function not known, component of the outer membrane of the vitelline layer of the egg. Seems to be able to synthesize N-acetylchito-oligosaccharides (n=14-15) from hexasaccharides of N-acetylglucosamine in a manner similar to the transferase activity of lysozyme.</p> <p>Alternative Names: Vitelline Membrane Outer Layer Protein 1 Homolog, VM01</p>
Molecular Weight:	20.07 kDa
UniProt:	Q7Z5L0

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 0.5 mM EDTA, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months