

## 32-7311: Recombinant Human Endocan/ESM-1 (C-6His)

**Gene :** ESM1  
**Gene ID :** 11082  
**Uniprot ID :** Q9NQ30

### Description

Source: Human Cells.

MW :19.16kD.

Recombinant Human ESM-1 is produced by our Mammalian expression system and the target gene encoding Trp20-Arg184 is expressed with a 6His tag at the C-terminus. ESM-1, short from Endothelial cell-specific molecule 1, is expressed in lung, on the vascular capillary network within alveolar walls, and also at lower level in kidney. It is a secretory protein, and can be induced by TNF and IL1B/interleukin-1beta, but not IL4/interleukin-4. This protein plays great roles in angiogenesis, sprouting, and may have potent implications in lung endothelial cell-leukocyte interactions.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** WSNNYAVDCPQHCDSSSECKSSPRCERTVLDDCGCCRVCAAGRGETCYRTVSGMDGMKCGPLRCQPSNGE  
DPFGEEFGICKDCPYGTFGMDCRETCNCQSGICDRGTGKCLKFPFFQYSVTKSSNRFVSLTEHDMASGDGNIV  
REEVVKENAAGSPVMRKWLNPRVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.