

## 32-8888: Recombinant Human Olfactomedin-4/OLFM4 (C-10His)

**Gene :** OLFM4  
**Gene ID :** 10562  
**Uniprot ID :** Q6UX06

### Description

Source: Human Cells.  
MW :56.9kD.

Recombinant Human Olfactomedin-4 is produced by our Mammalian expression system and the target gene encoding Asp21-Gln510 is expressed with a 10His tag at the C-terminus. Olfactomedin-4/OLFM4 is a secreted protein which contains one olfactomedin-like domain. OLFM4 is expressed during myeloid lineage development, it strongly expressed in the prostate, small intestine, colon and moderately expressed in the bone marrow and stomach. OLFM4 is an antiapoptotic factor that promotes tumor growth. It expressed at high levels in stomach cancer and colon cancer tissues. It promotes proliferation of pancreatic cancer cells by favoring the transition from the S to G2/M phase. In myeloid leukemic cell lines, OLFM4 inhibits cell growth and induces cell differentiation and apoptosis. Through interaction with cell surface lectins and cadherin, OLFM4 facilitates cell adhesion. It may play a role in the inhibition of EIF4EBP1 phosphorylation/deactivation. Induction of OLFM4 in cancer cells was reported to have a novel antiapoptotic action via binding to the potent apoptosis inducer GRIM-19.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**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 :** DLGDVGPPIPSPGFSSFPQVDSSSSFSSSSRSGSSSSRLGSGGVSQVLSNFTGSVDDRGTCCQCSVSLPDTTF  
PVDRVERLEFTAHVLSQKFEKELSKVREYVQLISVYEKLLNLTVRIDIMEKDTISYELDFELIKVEVKEMEKLVIQ  
LKESFGGSSEIVDQLEVEIRNMTLLVEKLETLDKNNVLAIRREIVALKTKLKECEASKDQNTPVVHPPPTPGSCGH  
GGVNVISKPSVVQLNWRGFSYLYGAWGRDYSQHPNKGlyWVAPLNTDGRLLLEYRlyNTLDDLLLYINAREL  
RITYGQGSgtAVYNNMvYNNMYNTGNIARVNLTNTIAVTQTLpNAAYNNRfSYANVAWQDIDFAVDENGLW  
VIYSTEASTGNMvisKLNDTTLQVLNTWYTKQYKPSASNAFMVCGVLYATRtMNTREEIFYYDTNTGKEGKL  
DIVMHKMqEKVQSINYPFDQKLYVYNDGYLLNYDLSVLQKpQGggGSHHHHHHHHHH

### Application Note

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