

**TINAGL1, 22-467aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP04225**

3th Edition

**Synonyms:**Tubulointerstitial nephritis antigen-like isoform 1, TINAGL1, ARG1, LCN7, LIECG3, TINAGRP

**Description:**TINAGL1, also known as tubulointerstitial nephritis antigen-like isoform 1, is a glycoprotein member of the peptidase C1 family of molecules. During pregnancy it binds to Laminin-1 and Integrins alpha 5 and beta 1 and plays a role in supporting fertility. In the vasculature, TINAGL1 localizes to basal laminae along adrenocortical sinusoidal capillaries where it binds to fibronectin and collagen and supports adrenocortical cell adhesion. Recombinant human TINAGL1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT.

**Molecular Weight:**51.2kDa (455aa), 50-70KDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADLAQQGRGRRELAPGLHLRGIRDAGGRYCQEQLCCRGRADDCALPYLGAICYCDLFCNRTVSDCCPDFWDFC  
LGVPPFPPIQGCMMHGGRIYPVLGTYWDNCNRCTCQENRQWQCDQEPCLVDPDIKAINQGNYGWQAGNHSAF  
WGMTLDEGIRYRLGTIRPSSSVMMNHEIYTVLNPGEVLPTAFEASEKWPNIHEPLDQGNCAAGSWAFSTAAVASDR  
VSIHSLGHMTPVLSPQNLSCDTHQQQGCRGGRLDGAWWFLRRRGVSDHCYPFSGRERDEAGPAPPCMMHSR  
AMGRGKRQATAHCPNSYVNNNDIYQVTPVYRLGSNDKEIMKELMENGVPQALMEVHEDFFLYKGGIYSHTPVSLG  
RPERYRRHGTHSVKITGWGEETLPDGRTLKYWTAANSWGPWGERGHFRIVRGVNECDIESFVLGVWGRVGM  
DMGHHHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.