

TINAGL1 Protein, Human (HEK293, His)

Cat. No.:	HY-P71369
Synonyms:	Tubulointerstitial nephritis antigen-like (TINAGL1); also known as Glucocorticoid-inducible protein 5; Oxidized LDL-responsive gene 2 protein; TIN Ag-related protein; Tubulointerstitial nephritis antigen-related protein; GIS5; LCN7; OLRG2 and TINAGL
Species:	Human
Source:	HEK293
Accession:	Q9GZM7 (A22-H467)
Gene ID:	64129
Molecular Weight:	55-60 kD

PROPERTIES

AA Sequence	<pre> A Q Q G R G R R E L A P G L H L R G I R D A G G R Y C Q E Q D L C C R G R A D D C A L P Y L G A I C Y C D L F C N R T V S D C C P D F W D F C L G V P P P F P P I Q G C M H G G R I Y P V L G T Y W D N C N R C T C Q E N R Q W Q C D Q E P C L V D P D M I K A I N Q G N Y G W Q A G N H S A F W G M T L D E G I R Y R L G T I R P S S S V M N M H E I Y T V L N P G E V L P T A F E A S E K W P N L I H E P L D Q G N C A G S W A F S T A A V A S D R V S I H S L G H M T P V L S P Q N L L S C D T H Q Q Q G C R G G R L D G A W W F L R R R G V V S D H C Y P F S G R E R D E A G P A P P C M M H S R A M G R G K R Q A T A H C P N S Y V N N N D I Y Q V T P V Y R L G S N D K E I M K E L M E N G P V Q A L M E V H E D F F L Y K G G I Y S H T P V S L G R P E R Y R R H G T H S V K I T G W G E E T L P D G R T L K Y W T A A N S W G P A W G E R G H F R I V R G V N E C D I E S F V L G V W G R V G M E D M G H H </pre>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, 0.05% Brij35, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

TINAGL1 Protein emerges as a potential player in adrenocortical zonation, suggesting its involvement in the intricate regulation of distinct zones within the adrenal cortex. Additionally, it may participate in mechanisms that repress the expression of the CYP11B1 gene in adrenocortical cells, indicating a role in modulating key genes associated with adrenal function. Notably, TINAGL1 belongs to the non-catalytic peptidase C1 family, indicating a distinctive function that does not involve enzymatic activity. Unraveling the specific molecular pathways through which TINAGL1 influences adrenocortical zonation and gene expression could provide valuable insights into its role in adrenal physiology and potentially open avenues for understanding and manipulating adrenal function.

Caution: Product has not been fully validated for medical applications. For research use only.

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