

NTAL Protein, Human (HEK293, His)

Cat. No.:	HY-P71173
Synonyms:	Linker for Activation of T-Cells Family Member 2; Linker for Activation of B-Cells; Membrane-Associated Adapter Molecule; Non-T-Cell Activation Linker; Williams-Beuren Syndrome Chromosomal Region 15 Protein; Williams-Beuren Syndrome Chromosomal Region 5 Protei
Species:	Human
Source:	HEK293
Accession:	Q9GZY6 (R27-A243)
Gene ID:	7462
Molecular Weight:	35-40 kDa

PROPERTIES

AA Sequence	<pre> R C S R P G A K R S E K I Y Q Q R S L R E D Q Q S F T G S R T Y S L V G Q A W P G P L A D M A P T R K D K L L Q F Y P S L E D P A S S R Y Q N F S K G S R H G S E E A Y I D P I A M E Y Y N W G R F S K P P E D D D A N S Y E N V L I C K Q K T T E T G A Q Q E G I G G L C R G D L S L S L A L K T G P T S G L C P S A S P E E D E E S E D Y Q N S A S I H Q W R E S R K V M G Q L Q R E A S P G P V G S P D E E D G E P D Y V N G E V A A T E A </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	NTAL protein plays a crucial role in mediating signaling events downstream of high-affinity immunoglobulin epsilon receptor (FCER1) in mast cells. Additionally, it is implicated in B-cell antigen receptor (BCR)-mediated signaling in B-cells and high-affinity immunoglobulin gamma Fc receptor I (FCGR1)-mediated signaling in myeloid cells. NTAL acts as a molecular bridge, facilitating the connection between receptor activation and subsequent intracellular responses by recruiting GRB2 when phosphorylated. Furthermore, it exhibits potential interactions with key signaling molecules, including SOS1, GAB1, and CBL, underscoring its involvement in orchestrating diverse cellular pathways in response to
-------------------	--

immunoreceptor activation.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA