

## Tubby Protein, Human (His)

Cat. No.:	HY-P701073
Synonyms:	Tubby protein homolog; TUB; RD5; RDOB
Species:	Human
Source:	E. coli
Accession:	P50607-1 (M1-E506)
Gene ID:	/
Molecular Weight:	56.74 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of 20mM Tris, 300mM NaCl, 10% Glycerol, 1mM DTT, pH 7.4.
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	Tubby protein operates in signal transduction pathways initiated by heterotrimeric G protein-coupled receptors, demonstrating an affinity for membranes containing phosphatidylinositol 4,5-bisphosphate. Additionally, Tubby protein exhibits DNA-binding capability in vitro and may play a role in transcriptional regulation within the nucleus. Implications for its involvement in the hypothalamic control of body weight are suggested. Furthermore, Tubby protein contributes to the stimulation of phagocytosis, particularly in apoptotic retinal pigment epithelium (RPE) cells and macrophages. Its interactions with GNAQ and TULP1 underscore its multifaceted role in cellular processes.
------------	---

**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](mailto:tech@MedChemExpress.com)

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