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# Recombinant Human THP Protein(His Tag)

Catalog Number: PDEH100751

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

**Species** Human

Source E.coli-derived Human THP protein Asp25-Phe587, with an N-terminal His

**Calculated MW** 61.4 kDa Observed MW 50 kDa Accession P07911

Not validated for activity **Bio-activity** 

#### **Properties**

**Purity** > 85% as determined by reducing SDS-PAGE.

**Endotoxin** < 10 EU/mg of the protein as determined by the LAL method

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -Storage

80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

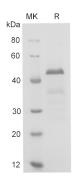
This product is provided as lyophilized powder which is shipped with ice packs. Shipping **Formulation** 

Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5%

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis.

## Data



SDS-PAGE analysis of Human THP proteins, 2 µg/lane of Recombinant Human THP proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 50 kDa.

## **Background**

Functions in biogenesis and organization of the apical membrane of epithelial cells of the thick ascending limb of Henle's loop (TALH), where it promotes formation of complex filamentous gel-like structure that may play a role in the water barrier permeability (Probable). May serve as a receptor for binding and endocytosis of cytokines (IL-1, IL-2) and TNF.Facilitates neutrophil migration across renal epithelia.

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