

TMED4 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77243
Synonyms:	Transmembrane emp24 domain-containing protein 4; ERS25; GMP25iso; p24alpha3
Species:	Human
Source:	HEK293
Accession:	Q7Z7H5 (M1-R194)
Gene ID:	222068
Molecular Weight:	Approximately 45.6 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
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	TMED4 Protein is intricately involved in vesicular protein trafficking, particularly within the early secretory pathway, contributing to the targeting and maintenance of the Golgi apparatus. Its role extends to the biosynthesis of secreted cargo, with a specific focus on processing. Furthermore, TMED4 demonstrates involvement in the endoplasmic reticulum stress response, showcasing its significance in cellular homeostasis under stress conditions. Additionally, there is potential for TMED4 to play a role in the regulation of the heat-shock response and apoptosis, suggesting its multifaceted contributions to cellular processes beyond vesicular trafficking.
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Caution: Product has not been fully validated for medical applications. For research use only.

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