

Thrombin Receptor/PAR1 Protein, Human (HEK293, His)

Cat. No.:	HY-P73612
Synonyms:	Cf2r; CF2RHTR; F2R; HTR; PAR1; Protease-Activated Receptor 1
Species:	Human
Source:	HEK293
Accession:	P25116/NP_001983.2 (A22-T102)
Gene ID:	2149
Molecular Weight:	Approximately 10.2 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	Thrombin Receptor/PAR1 Protein serves as a high-affinity receptor for activated thrombin, forming a coupling with G proteins that, in turn, stimulate phosphoinositide hydrolysis. This intricate signaling mechanism suggests its potential involvement in platelet activation, a critical process in hemostasis and thrombosis. Furthermore, Thrombin Receptor/PAR1 Protein may play a role in vascular development, indicating its significance in the complex regulatory pathways that govern blood vessel formation and maintenance. The dual functions of this receptor highlight its role in both hemostatic processes and broader aspects of vascular biology, underscoring its importance in maintaining cardiovascular homeostasis.
------------	---

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