

MARCO Protein, Human (HEK293, His)

Cat. No.:	HY-P78004
Synonyms:	MARCO; SCARA2; AI323439; Ly112
Species:	Human
Source:	HEK293
Accession:	Q9UEW3 (S405-V520)
Gene ID:	8685
Molecular Weight:	14-20 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μg , determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ 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	MARCO Protein is a pattern recognition receptor (PRR) that can bind both Gram-positive and Gram-negative bacteria. It also plays a role in binding unopsonized particles by alveolar macrophages. Additionally, MARCO Protein is capable of binding to the secretoglobin SCGB3A2. It forms a homotrimer structure that is disulfide-linked, and these trimers can assemble into larger oligomers, creating a large surface area suitable for interacting with very large ligands.
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Caution: Product has not been fully validated for medical applications. For research use only.

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