

## ICAM-5 Protein, Human (570a.a, HEK293, Fc)

Cat. No.:	HY-P74870
Synonyms:	ICAM5; Intercellular Adhesion Molecule 5; Telencephalin; TLCNTelencephalin
Species:	Human
Source:	HEK293
Accession:	Q9UMF0 (E32-E570)
Gene ID:	7087
Molecular Weight:	Approximately 84.9 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ 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/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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	ICAM-5 Protein serves as a ligand for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2), indicating its role in mediating cellular adhesion processes. As a member of the ICAM protein family, ICAM-5 is implicated in interactions with LFA-1, which is crucial for the adhesion and communication between immune cells. This interaction likely plays a role in immune responses and cellular trafficking, contributing to the dynamic regulation of immune cell activities. The engagement of ICAM-5 with LFA-1 underscores its importance in the intricate network of adhesion molecules that modulate immune cell interactions and functions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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