

ICAM-5 Protein, Human (HEK293, His)

Cat. No.:	HY-P74869
Synonyms:	ICAM5; Intercellular Adhesion Molecule 5; Telencephalin; TLCNTelencephalin
Species:	Human
Source:	HEK293
Accession:	Q9UMF0 (E32-P834)
Gene ID:	7087
Molecular Weight:	Approximately 112 kDa

PROPERTIES

AA Sequence

E P F W A D L Q P R	V A F V E R G G S L	W L N C S T N C P R	P E R G G L E T S L
R R N G T Q R G L R	W L A R Q L V D I R	E P E T Q P V C F F	R C A R R T L Q A R
G L I R T F Q R P D	R V E L M P L P P W	Q P V G E N F T L S	C R V P G A G P R A
S L T L T L L R G A	Q E L I R R S F A G	E P P R A R G A V L	T A T V L A R R E D
H G A N F S C R A E	L D L R P H G L G L	F E N S S A P R E L	R T F S L S P D A P
R L A A P R L L E V	G S E R P V S C T L	D G L F P A S E A R	V Y L A L G D Q N L
S P D V T L E G D A	F V A T A T A T A S	A E Q E G A R Q L V	C N V T L G G E N R
E T R E N V T I Y S	F P A P L L T L S E	P S V S E G Q M V T	V T C A A G A Q A L
V T L E G V P A A V	P G Q P A Q L Q L N	A T E N D D R R S F	F C D A T L D V D G
E T L I K N R S A E	L R V L Y A P R L D	D S D C P R S W T W	P E G P E Q T L R C
E A R G N P E P S V	H C A R S D G G A V	L A L G L L G P V T	R A L S G T Y R C K
A A N D Q G E A V K	D V T L T V E Y A P	A L D S V G C P E R	I T W L E G T E A S
L S C V A H G V P P	P D V I C V R S G E	L G A V I E G L L R	V A R E H A G T Y R
C E A T N P R G S A	A K N V A V T V E Y	G P R F E E P S C P	S N W T W V E G S G
R L F S C E V D G K	P Q P S V K C V G S	G G A T E G V L L P	L A P P D P S P R A
P R I P R V L A P G	I Y V C N A T N R H	G S V A K T V V V S	A E S P P E M D E S
T C P S H Q T W L E	G A E A S A L A C A	A R G R P S P G V R	C S R E G I P W P E
Q Q R V S R E D A G	T Y H C V A T N A H	G T D S R T V T V G	V E Y R P V V A E L
A A S P P G G V R P	G G N F T L T C R A	E A W P P A Q I S W	R A P P G A L N I G
L S S N N S T L S V	A G A M G S H G G E	Y E C A A T N A H G	R H A R R I T V R V
A G P			

Biological Activity

Measured by its ability of the immobilized protein to support the adhesion of PMA-stimulated Jurkat cells. When 5×10^4 cells/well are added to ICAM-5 coated plates (25 $\mu\text{g/mL}$, 100 $\mu\text{L/well}$) in the presence of 10 ng/mL PMA, approximately 42.83% will adhere after 2 hour at 37°C.

Appearance

Lyophilized powder

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Endotoxin Level

<1 EU/ μg , determined by LAL method.

Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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.

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