

## JAML/AMICA Protein, Mouse (HEK293, Fc)

<b>Cat. No.:</b>	HY-P76464
<b>Synonyms:</b>	Junctional adhesion molecule-like; Dendritic cell-specific protein CREA7; mCrea7; Amica1; Gm638
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	NP_001005421.3 (Q21-L281)
<b>Gene ID:</b>	270152
<b>Molecular Weight:</b>	Approximately 56.5 kDa.

### PROPERTIES

<b>AA Sequence</b>	<p>           Q G L P G L T V S S    P Q L R V H V G E S    V L M G C V V Q R T    E E K H V D R V D W            L F S K D K D D A S    E Y V L F Y Y S N L    S V P T G R F Q N R    S H L V G D T F H N            D G S L L L Q D V Q    K A D E G I Y T C E    I R L K N E S M V M    K K P V E L W V L P            E E P K D L R V R V    G D T T Q M R C S I    Q S T E E K R V T K    V N W M F S S G S H            T E E E T V L S Y D    S N M R S G K F Q S    L G R F R N R V D L    T G D I S R N D G S            I K L Q T V K E S D    Q G I Y T C S I Y V    G K L E S R K T I V    L H V V Q D E F Q R            T I S P T P P T D K    G Q Q G I L N G N Q    L         </p>
<b>Biological Activity</b>	Measured by the ability of the immobilized protein to support the adhesion of the A549 Human non-small cell lung cancer cells. The adhesion rate for this effect is 55.10 % in the presence of 10 µg/mL JAML.
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	JAML/AMICA Protein is predicted to possess integrin binding activity and protein homodimerization activity. It plays a role in gamma-delta T cell activation and positively regulates epithelial cell proliferation, particularly in processes related to
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wound healing. The protein is primarily located in the plasma membrane. As an ortholog to human JAML (junction adhesion molecule like), JAML/AMICA is implicated in cellular adhesion processes. Despite its functional significance, low expression levels have been observed in the reference dataset, suggesting that its regulatory functions may be tightly controlled or context-dependent. The gene's association with cell adhesion processes and its low expression levels highlight its potential involvement in specific physiological contexts, particularly those related to immune response and tissue repair.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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