

## ESAM Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P70889
<b>Synonyms:</b>	Endothelial Cell-Selective Adhesion Molecule; ESAM
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q96AP7 (Q30-A247)
<b>Gene ID:</b>	90952
<b>Molecular Weight:</b>	Approximately 36.55 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> QLQLHL PANR    LQAVEGGEVV    LPAWYTLHGE    VSSSQPWEVP FVMWFFKQKE    KEDQVLSYIN    GVTTSKPGVS    LVYSMP SRNL SLRLEGLQEK    DSGPYSCSVN    VQDKQGKSRG    HSIKTLELNV LVPPAPPSCR    LQGVPHVGAN    VTLSCQSPRS    KPAVQYQWDR QLPSFQTFFA    PALDVIRGSL    SLTNLSSSMA    GVVVCKAHNE VGT AQCNVTL    EVSTGPGA           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
<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>	ESAM, short for Endothelial cell-selective adhesion molecule, possesses the ability to induce aggregation, likely through a homophilic molecular interaction. It plays a role in molecular communication by engaging with MAGI1, potentially forming a complex that contributes to intercellular signaling and adhesion processes. Further investigation is necessary to elucidate the precise mechanisms and functions of ESAM and its interactions with MAGI1 in different physiological and pathological contexts.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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