

VSTM2A Protein, Human (E84K, HEK293, His)

Cat. No.:	HY-P71429
Synonyms:	V-set and transmembrane domain-containing protein 2A; VSTM2
Species:	Human
Source:	HEK293
Accession:	Q8TAG5-2 (S25-F244, E84K)
Gene ID:	222008
Molecular Weight:	38-40 kDa

PROPERTIES

AA Sequence	<p>S Q A K F T E F P R N V T A T E G Q N V E M S C A F Q S G S A S V Y L E I Q W W</p> <p>F L R G P E D L D P G A E G A G A Q V K L L P D R D P D S D G T K I S T V K V Q</p> <p>G N D I S H K L Q I S K V R K K D E G L Y E C R V T D A N Y G E L Q E H K A Q A</p> <p>Y L K V N A N S H A R R M Q A F E A S P M W L Q D M K P R K N V S A A I P S S I</p> <p>H G S A N Q R T H S T S S P Q V V A K I P K Q S P Q S G M E T H F E P F I L P L</p> <p>T N A P Q K G Q S Y R V D R F M N G D F</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 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	VSTM2A, a key player in the early stages of white and brown preadipocyte cell differentiation, actively contributes to adipogenic commitment by upregulating the expression of the transcription factor PPARG. This regulatory role occurs within a BMP4-dependent signaling pathway, emphasizing the intricate molecular mechanisms involved in the differentiation process. Furthermore, VSTM2A functions as a homodimer, potentially indicating its involvement in complex protein-protein interactions critical for its regulatory activities.
------------	--

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