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**Product Data Sheet**


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Product Name: SERTAD2 Human  
 Cat. No.: GP24554  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SERTA domain-containing protein 2; Transcriptional regulator interacting with the PHD-bromodomain 2; TRIP-Br2; SERTAD2; KIAA0127; SERTA domain containing 2; Sei-2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLGKGGK RKFDEHEDGL EGKIVSPCDG PSKVSYTLQR QTIFNISLMK LYNHRPLTEP SLQKTVLINN MLRRIQEELK QEGSLRPMFT PSSQPTTEPS DSYREAPPAF SHLASPSSHP CDLGSTTPLE ACLTPASLLE DDDDTFCTSQ AMQPTAPTKL SPPALLPEKD SFSSALDEIE ELCPTSTSTE AATAATDSVK GTSSEAGTQK LDGPQESRAD DSKLMDSLPG NFEITTSTGF LTDLTLDDIL FADIDTSMYD FDPCTSSSGT ASKMAPVSAD DLLKTLAPYS SQPVTPSQPF KMDLTELDHI MEVLVGS.		
Formulation	The SERTAD2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

**Introduction**

SERTA domain containing 2 (SERTAD2) takes part at E2F-responsive promoters to integrate signals which are given by PHD- and bromodomain-containing transcription factors. The SERTAD2 protein is taking part in modulating fat storage by down-regulating the expression of key genes which take part in thermogenesis, adipocyte lipolysis and oxidative metabolism.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

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

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SERTAD2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 337 amino acids (1-314) and having a molecular mass of 36.3 kDa. SERTAD2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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