

Vaspin Human

Description: Vaspin Human Recombinant produced in E.Coli is a single, non-glycosylated, His Tag, polypeptide chain containing 415 amino acids and having a molecular mass of 47 kDa. The Vaspin is purified by proprietary chromatographic techniques.

Catalog #: CYPs-466

For research use only.

Synonyms: Serpin A12 precursor, Visceral adipose-specific serpin, Visceral adipose tissue-derived serine protease inhibitor, Vaspin, OL-64, SERPINA12, Serine (or cysteine) proteinase inhibitor, clade A, antitrypsin, alpha-1 antiproteinase.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MLKPSFSPRN YKALSEVQGW
KQRMAAKELA RQNMDLGFKL LKKLAFYNPG RNIFLSPLSI STAFSMLCLG AQDSTLDEIK
QGFNFRKMPE KDLHEGFHYI IHELTQKTQD LKLSIGNTLF IDQRLQPQRK FLEDAKNFYS
AETILTNFQN LEMAKQIND FISQKTHGKI NNLIENIDPG TVMLLANYIF FRARWKHEFD
PNVTKEEDFF LE

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

Vaspin in 20mM Tris pH-8, 0.2mM PMSF and 10% glycerol.

Stability:

Liquid Vaspin although stable at 10°C for 1 week, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Vaspin (visceral adipose-specific SERPIN), a newly identified adipokine, which is a member of serine protease inhibitor family. Vaspin is also a unique insulin sensitizing adipocytokine in obesity. A recent publication indicates that induction of human vaspin mRNA expression in adipose tissue is regulated in a fat depot-specific manner and could be associated with parameters of obesity, insulin resistance, and glucose metabolism.

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