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Product datasheet for AR09303PU-L

Alpha-1-antichymotrypsin / ACT (24-423, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Alpha-1-antichymotrypsin / ACT (24-423, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MHPNSPLDEE NLTQENQDRG THVDLGLASA NVDFAFSLYK QLVLKAPDKN VIFSPLSIST ALAFLSLGAH NTTLTEILKG LKFNLTETSE AEIHQSFQHL LRTLNQSSDE LQLSMGNAMF VKEQLSLLDR FTEDAKRLYG SEAFATDFQD SAAAKKLIND YVKNGTRGKI TDLIKDLDSQ TMMVLVNYIF FKAKWEMPFD PQDTHQSRFY LSKKKWVMVP MMSLHHLTIP YFRDEELSCT VVELKYTGNA SALFILPDQD KMEEVEAMLL PETLKRWRDS LEFREIGELY LPKFSISRDY NLNDILLQLG IEEAFTSKAD LSGITGARNL AVSQVVHKAV LDVFEEGTEA SAATAVKITL LSALVETRTI VRFNRPFLMI IVPTDTQNIF FMSKVTNPKQ A
Tag:	His-tag
Predicted MW:	47.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant alpha-1-antichymotrypsin protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001076
Locus ID:	12
UniProt ID:	P01011, A0A024R6P0
Cytogenetics:	14q32.13

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Synonyms: AACT; ACT; GIG24; GIG25

Summary: The protein encoded by this gene is a member of the serpin family of proteins, a group of proteins that inhibit serine proteases. This gene is one in a cluster of serpin genes located on the q arm of chromosome 14. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease. [provided by RefSeq, Jun 2020]

Protein Families: Druggable Genome, Secreted Protein

Product images: