

Datasheet for ABIN2018223

SERPINB5 Protein (AA 1-375, Ser176Pro-Mutant, Val66Ile-Mutant, Val187Leu-Mutant)



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Overview

Quantity:	50 µg
Target:	SERPINB5
Protein Characteristics:	AA 1-375, Val66Ile-Mutant, Ser176Pro-Mutant, Val187Leu-Mutant
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purity:	> 95 % by SDS-PAGE and HPLC analysis.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	SERPINB5
Alternative Name:	Maspin (SERPINB5 Products)
Background:	Maspin is a non-inhibitory member of the serpin superfamily, a group of 40-60 kDa serine protease inhibitors. Maspin was discovered in 1994 and has been identified in prostate, thymus, testis, intestine, tongue, and lung. Recently Maspin received a great deal of attention due to its potential apoptotic role in cancers. Maspin expression predicts a better prognosis for several types of carcinomas including breast, prostate, colon, and oral squamous cell carcinoma. The level of Maspin is also inversely correlated to VEGF-A, an angiogenic factor. Researchers found that Maspin may play its apoptotic role as an endogenous inhibitor of histone deacetylase I (HDAC I). Therefore, Maspin is a potential personalized marker of Non-Small Cell Lung

Target Details

	Carcinoma (NSCLC).Recombinant human Maspin (rhMaspin) produced in E. coli is a single non-glycosylated polypeptide chain containing 375 amino acids. rhMaspin has a molecular mass of 42.1 kDa analyzed by reducing SDS-PAGE. Synonyms: Serpin B5, PI-5
Molecular Weight:	42.1 kDa, observed by reducing SDS-PAGE.
UniProt:	P36952
Pathways:	p53 Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant human Maspin (rhMaspin) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rhMaspin remains stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.
Expiry Date:	6 months