

Human Serpin A12, C-His Tag Protein

HA211482



Product name:	Human Serpin A12, C-His Tag
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human Serpin A12 protein (Q8IW75) (Leu 21-Lys 414) was expressed with a His tag at the C-terminus.
Background:	Serpin A12 (OL-64, Vaspin, Visceral adipose-specific serpin, Ser A12) is a glycoprotein that is a class A member of the serine protease inhibitor (serpin) family. In humans, Serpin A12 is encoded by the SERPINA12 gene. First discovered in 2005, Serpin A12 was highly expressed in white adipose tissue of Otsuka Long Evans Tokushima Fatty Rats at the same time that the rats' obesity and insulin plasma levels reached a peak, at around 30 weeks old. Eventually, it was found to be expressed in visceral and subcutaneous adipose tissue of obese humans, leading the protein to be linked with obesity, glucose metabolism, and insulin resistance.
Purity:	>95% as determined by SDS-PAGE.
Endotoxin:	Less than 1.0 EU per µg by the LAL method.
Fragment region:	Serpin A12 (21-414)
Source:	HEK293
Accession:	Q8IW75
Predicted molecular mass:	46.9 kD
Formulation:	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution:	Reconstitute at 250 µg/ml in sterile water.
Storage:	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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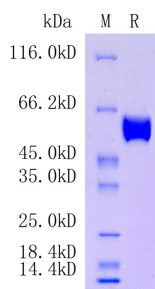


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".
