ADTRP Protein, Human (Cell-Free, His, SUMO, Myc)

Cat. No.:	HY-P702208
Synonyms:	Androgen-dependent TFPI-regulating protein; Fatty acid esters of hydroxy fatty acids hydrolase ADTRP; FAHFA hydrolase ADTRP; C6orf105
Species:	Human
Source:	E. coli Cell-free
Accession:	Q96IZ2 (M1-K230)
Gene ID:	84830
Molecular Weight:	46.8 kDa

PROPERTIES

AA Sequence	MTKTSTCIYH FLVLSWYTFL NYYISQEGKD EVKPKILANG ARWKYMTLLN LLLQTIFYGV TCLDDVLKRT KGGKDIKFLT AFRDLLFTTL AFPVSTFVFL AFWILFLYNR DLIYPKVLDT VIPVWLNHAM HTFIFPITLA EVVLRPHSYP SKKTGLTLLA AASIAYISRI LWLYFETGTW VYPVFAKLSL LGLAAFFSLS YVFIASIYLL GEKLNHWKWG DMRQPRKKRK
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ADTRP protein demonstrates a specialized enzymatic function, specifically hydrolyzing bioactive fatty-acid esters of hydroxy-fatty acids (FAHFAs), with a notable preference for FAHFAs exhibiting branching distal from the carboxylate head group. This distinctive enzymatic activity sets ADTRP apart, as it does not hydrolyze other major classes of lipids. Additionally, ADTRP plays a regulatory role in endothelial cells by influencing the expression and cell-associated anticoagulant activity of the inhibitor TFPI, as observed in in vitro settings.

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

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