
Product Data Sheet

Product Name: NCEH1 Human
 Cat. No.: GP24011
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AADACL1; NCEH; Neutral cholesterol ester hydrolase 1; Arylacetamide deacetylase-like; KIAA1363; NCEH1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSM AEELNA VIVSIEYRLV PKVYFPEQIH DVVRATKYFL KPEVLQKYMV DPGRICISGD SAGGNLAAAL GQQFTQDASL KNKCLKLQALI YPVLQALDFN TPSYQQNVNT PILPRYVMVK YWVDYFKGNY DQVQAMIVNN HTSLDVEEAA AVRARLNWTS LLPASFTKNY KPVVQTTGNA RIVQELPQLL DARSAPLIAD QAVLQLLPKT YILTCEHDVL RDDGIMYAKR LESAGVEVTL DHFEDGFHGC MIFTSWPTNF SVGIRTRNSY IKWLDQNL.		
Formulation	NCEH1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

Neutral cholesterol ester hydrolase 1 (NCEH1), hydrolyzes 2-acetyl monoalkylglycerol ether, the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor. NCEH1 is responsible for cholesterol ester hydrolysis in macrophages, by this means contributing to the development of atherosclerosis. NCEH1 contributes also to cancer pathogenesis by promoting tumor cell migration. NCEH1 is involved in organ detoxification by hydrolyzing exogenous organophosphorus compounds.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NCEH1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 298 amino acids (1-275a.a) and having a molecular mass of 33.6kDa. NCEH1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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