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NCEH1 Human

Catalog #:PRPS-1400

For research use only.

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

Synonyms:AADACL1, NCEH, Neutral cholesterol ester hydrolase 1, Arylacetamide deacetylase-like, KIAA1363, NCEH1.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMAEELNA VIVSIEYRLV PKVYFPEQIH DVVRATKYFL KPEVLQKYMV DPGRICISGD SAGGNLAAAL GQQFTQDASL KNKLKLQALI YPVLQALDFN TPSYQQNVNT PILPRYVMVK YWVDYFKGNY DFVQAMIVNN HTSLDVEEAA AVRARLNWTS LLPASFTKNY KPVVQTTGNA RIVQELPQLL DARSAPLIAD QAVLQLLPKT YI

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
NCEH1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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