
Product Data Sheet

Product Name: DYNLL1 Human
 Cat. No.: GP23343
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PIN; DLC1; DLC8; DNCL1; DNCLC1; Dynein Light Chain LC8-type 1; Dynein Cytoplasmic Light polypeptide 1; Protein Inhibitor of Neuronal Nitric Oxide Synthase		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MCDRKAVIKN ADMSEEMQQD SVECATQALE KYNIEKDIAA HIKKEFDKKY NPTWHCIVGR NFGSYVTHET KHFIYFYLGQ VAILLFKSG		
Formulation	The DYNLL1 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 0.2M NaCl, 1mM DTT and 10% glycerol.		

Introduction

DYNLL1 is a protein that cooperates with NOS1 causing NOS1 inhibition. Binding of DYNLL1 weakens NOS1 (Neuronal nitric oxide synthase) dimer, a conformation needed for activity, and it regulates several biologic processes through its effects on nitric oxide synthase activity. DYNLL1 is a ubiquitously expressed protein that demonstrates high expression in testis and moderate expression in brain.

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. Please avoid freeze thaw cycles.

Background

DYNLL1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 109 amino acids (1-89a.a.) and having a molecular mass of 12.5kDa. The DYNLL1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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

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