
Product Data Sheet

Product Name: IER3 Human
 Cat. No.: GP23692
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	800x600 immediate early response 3; DIF-2; DIF2; GLY96; IEX-1; IEX-1L; IEX1; PRG1; Protein DIF-2; Immediate early protein GLY96; PACAP-responsive gene 1 protein; Differentiation-dependent gene 2 protein; IER3.		
Amino Acid Sequence	800x600 MGSSHHHHHH SGLVPRGSH MGSMCHSRSC HPTMTILQAP TPAPSTIPGP RRGSGPEIFT FDPLPEAAAPAGRPSASRG HRKRSRRVLY PRVRRQLPV EEPNP.		
Formulation	800x600 IER3 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.		

Introduction

Immediate Early Response 3 (IER3) functions in the protection of cells from Fas- or tumor necrosis factor type alpha-induced apoptosis. IER3 has a role in the ERK signaling pathway by inhibiting the dephosphorylation of ERK by phosphatase PP2A-PPP2R5C holoenzyme. In addition, IER3 serves as an ERK downstream effector mediating survival. As a member of the NUPR1/RELB/IER3 survival pathway, IER3 provides pancreatic ductal adenocarcinoma with significant resistance to cell stress, such as starvation.

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

IER3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 105 amino acids (1-82 a.a.) and having a molecular mass of

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11.4kDa.IER3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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