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## Product Data Sheet

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Product Name: ISOC2 Human  
 Cat. No.: GP23714  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Isochorismatase domain-containing protein 2; mitochondrial; ISOC2; Isochorismatase Domain Containing 2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEQYPQGL GPTVPELGTE GLRPLAKTCF SMVPALQQEL DSRPQLRSVL LCGIEAQACI LNTTLDLLDR GLQVHVVDVA CSSRSQVDRL VALARMRQSG AFLSTSEGLI LQLVGDAVHP QFKEIQKLIK EPAPDSGLLG LFQGQNSLLH.		
Formulation	The ISOC2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Isochorismatase Domain Containing 2, also known as ISOC2, is a part of the isochorismatase family. SOC2 is localized in mitochondrion, cytoplasm, and nucleus. ISOC2 which interacts with CDKN2A is localizes to the nucleus in the attendance of CDKN2A.

### 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

ISOC2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (59-205) and having a molecular mass of 18kDa. ISOC2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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