
Product Data Sheet

Product Name: COPS8 Human
 Cat. No.: GP23203
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	COP9 signalosome complex subunit 8; SGN8; Signalosome subunit 8; COP9 homolog; hCOP9; JAB1-containing signalosome subunit 8; COPS8; CSN8; COP9.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPVAVMAESA FSFKLLDQC ENQELEAPGG IATPPVYGQL LALYLLHNDM NNARYLWKRI PPAIKSANSE LGGIWSVGQR IWQRDFPGIY TTINAHQWSE TVQPIMEALR DATRRRAFAL VSQAYTSIIA DDFAAFVGLP VEEAVKGILE QGWQADSTTR MVLPRKPVAG ALDVSNKFI PLSEPAPVPP IPNEQQLARL TDYVAFLEN.		
Formulation	The COPS8 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

COP9 signalosome complex subunit 8 isoform 1 (COPS8) is one of the 8 subunits of COP9 signalosome, which is a much conserved protein complex that functions as an imperative regulator in multiple signaling pathways. The structure and function of COP9 signalosome is analogous to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome interacts with SCF-type E3 ubiquitin ligases and acts as a positive regulator of E3 ubiquitin ligases.

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

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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COPS8 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 229 amino acids (1-209) and having a molecular mass of 25.3kDa. COPS8 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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