
Product Data Sheet

Product Name: COPS6 Human
 Cat. No.: GP23202
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CSN6; MOV34-34KD; COP9 signalosome complex subunit 6; JAB1-containing signalosome subunit 6; MOV34 homolog; Vpr-interacting protein; hVIP; COPS6.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAAAAAAAAA TNGTGGSSGM EVDAAVVPSV MACGVTGSVS VALHPLVILN ISDHWIRMRS QEGRPVQVIG ALIGKQEGRN IEVMNSFELL SHTVEEKIII DKEYYYTKEE QFKQVFKELE FLGWYTTGGP PDPSDIHVHK QVCEIIESPL FLKLNPMTKH TDLPVSVFES VIDIINGEAT MLFAELTYTL ATEEAERIGV DHVARMTATG SGENSTVAEH LIAQHSAIKM LHSRVKLILE YVKASEAGEV PFNHEILREA YALCHCLPVL STDKFKTDFY DQCNDVGLMA YLGTITKTCN TMNQFVNKFN VLYDRQGIGR RMRGLFF.		
Formulation	COPS6 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

COP9 Constitutive Photomorphogenic 6 (COPS6) is a member of the translation initiation factor 3 (eIF3) superfamily, peptidase M67A family and CSN6 subfamily. COPS6 is one of 8 subunits of COP9 signalosome, a highly conserved protein complex which functions as an significant regulator in multiple signaling pathways. COP9's structure and function of signalosome is similar to 19S regulatory particle of 26S proteasome. COP9 signalosome can interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. COP9 takes part in the regulation of cell cycle and likely to be a cellular cofactor for HIV-1 accessory gene product Vpr.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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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

COPS6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 347 amino acids (1-327 a.a.) and having a molecular mass of 38.9kDa. COPS6 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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