Recombinant human COPS6 protein

Catalog Number: ATGP2261

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-327aa

UniProt No.
Q7L5N1

NCBI Accession No.
NP_006824

Alternative Names
COP9 signalosome complex subunit 6, CSN6, MOV34-34KD

PRODUCT SPECIFICATION

Molecular Weight
38.9 kDa (347aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10% glycerol

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
COPS6 is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. This protein belongs to translation initiation factor 3 (eIF3) superfamily. It is involved in the regulation of cell cycle and likely to be a cellular cofactor for HIV-1 accessory gene product Vpr. Recombinant human COPS6 protein, fused to His-tag at N-

terminus, was expressed in E. coli.

Amino acid Sequence

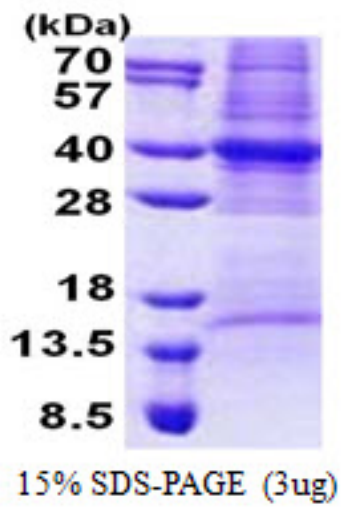
MGSSHHHHHH SSGLVPRGSH MAAAAAAAAA TNGTGGSSGM EVDAAVVPSV MACGVTGSVS VALHPLVILN ISDHWIRMRS QEGRPVQVIG ALIGKQEGRN IEVMNSFELL SHTVEEKIII DKEYYYTKEE QFKQVFKELE FLGWYTTGGP PDPSDIHVHK QVCEIIESPL FLKLNPMTKH TDLPVSVFES VIDIINGEAT MLFAELTYTL ATEEAERIGV DHVARMTATG SGENSTVAEH LIAQHSAIKM LHSRVKLILE YVKASEAGEV PFNHEILREA YALCHCLPVL STDKFKTDFY DQCNDVGLMA YLGTITKTCN TMNQFVNKFN VLYDRQGIGR RMRGLFF

General References

Zhao,R., et al. (2011) J. Clin. Invest. 121 (3), 851-865
Sowa,M.E., et al. (2009) Cell 138 (2), 389-403

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.