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Recombinant human COPS8 protein

Catalog Number: ATGP1276

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-209aa

UniProt No.
Q99627

NCBI Accession No.
NP_006701

Alternative Names
COP9 signalosome complex subunit 8, COP9, CSN8, SGN8

PRODUCT SPECIFICATION

Molecular Weight
25.3 kDa (229aa)

Concentration
1mg/ml (determined by Bradford assay)

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

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

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
COP9 signalosome complex subunit 8 isoform 1, also known as COPS8, 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. Recombinant human COPS8 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

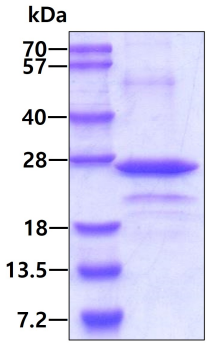
<MGSSHHHHHH SSGLVPRGSH> MPVAVMAESA FSFKKLLDQC ENQELEAPGG IATPPVYGQL LALYLLHNDM NNARYLWKRI PPAIKSANSE LGGIWSVGQR IWQRDFPGIY TTINAHQWSE TVQPIMEALR DATRRRAFAL VSQAYTSIIA DDFAAFVGLP VEEAVKGILE QGWQADSTTR MVLPRKPVAG ALDVSFNKFI PLSEPAPVPP IPNEQQLARL TDYVAFLEN

General References

Lyapina S., et al. (2001) Science. 292:1382-5.
Bech Otschir D., et al. (2001) EMBO J. 20:1630-9.

DATA

SDS-PAGE



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