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COPS8 Human

Catalog #:PRPS-990

For research use only.

Description: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.

Synonyms:COP9 signalosome complex subunit 8, SGN8, Signalosome subunit 8, COP9 homolog, hCOP9, JAB1-containing signalosome subunit 8, COPS8, CSN8, COP9.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

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.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The COPS8 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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