

Product datasheet for PH300979

JAB1 (COPS5) (NM_006837) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	COPS5 MS Standard C13 and N15-labeled recombinant protein (NP_006828)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200979
Predicted MW:	37.6 kDa
Protein Sequence:	>RC200979 protein sequence Red=Cloning site Green=Tags(s)

MAASGSGMAQKTWELANNMQEAQSIDEIYKYDKKQQQEILAAKPWTKDHHYFKYCKISALALLKMYMHAR
SGGNLEVMGLMLGKVDGETMIIMDSFALPVEGTETRVNAQAAAYEYMAAYIENAKQVGRLENAIGWYHSH
PGYGCWLSGIDVSTQMLNQQFQEPFVAVVIDPTRTISAGKVNLGAFRTYPKGYKPPDEGPSEYQTIPLNK
IEDFGVHCKQYYALEVSYFKSSLDRKLELLWNKYWNTLSSSSLLTNADYTTGQVFDLSEKLEQSEAQL
GRGSFMLGLETHDRKSEDKLAKATRDCKTTIEAIHGLMSQVIKDKLFNQINIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006828</u>
RefSeq Size:	1510
RefSeq ORF:	1002
Synonyms:	CSN5; JAB1; MOV-34; SGN5
Locus ID:	10987



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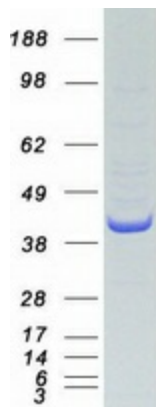
UniProt ID: [Q92905](#), [A0A024R7W9](#)

Cytogenetics: 8q13.1

Summary: The protein encoded by this gene 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 is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protease, Transcription Factors

Product images:



Coomassie blue staining of purified COPS5 protein (Cat# [TP300979]). The protein was produced from HEK293T cells transfected with COPS5 cDNA clone (Cat# [RC200979]) using MegaTran 2.0 (Cat# [TT210002]).