

Recombinant Human Chromosome 6 Open Reading Frame 108, His-tagged

Cat. No. C6orf108-2808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RCL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 21.2 kDa (194aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	Deoxyribonucleoside 5"-monophosphate N-glycosidase isoform 1, also known as RCL, belonged to the N-deoxyribosyltransferase family. This protein catalyzes the cleavage of the N-glycosidic bond of deoxyribonucleoside 5"-monophosphates to yield deoxyribose 5-phosphate and a purine or pyrimidine base. RCL was identified on the basis of its stimulation by c-Myc protein. The latter is a transcription factor that participates in the regulation of cell proliferation, differentiation, and apoptosis.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAAAMVPGRS ESWERGEPR PALYFCGSIR GGREDRTLIE RIVSRLRRFG TVLTEHVAAA ELGARGEAAA GGDRLIHEQD LEWLQQADV VAEVTQPSLG VGYELGRAVA FNKRILCLFR PQSGRVLSAM IRGAADGSRF QVWDYEEGEV EALLDRYFEA DPPGQVAASP DPTT
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.

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Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	C6orf108 chromosome 6 open reading frame 108 [Homo sapiens]
Synonyms	C6orf108; chromosome 6 open reading frame 108; RCL; dJ330M21.3; RP3-330M21.3; deoxyribonucleoside 5"-monophosphate N-glycosidase; OTTHUMP00000217077; putative c-Myc-responsive; c-Myc-responsive protein Rcl; EC 3.2.2.-
Gene ID	10591
mRNA Refseq	NM_006443
Protein Refseq	NP_006434
UniProt ID	O43598
Chromosome Location	6p21.1
Function	deoxyribonucleoside 5"-monophosphate N-glycosidase activity; hydrolase activity, acting on glycosyl bonds