

GCN5L2, 411-837aa, Human, His tag, E.coli

Cat.NO.: TP02213

3th Edition

Synonyms: Histone acetyltransferase KAT2A, GCN5, GCN5L2, hGCN5, PCAF-b.

Description: GCN5L2 (General control of amino acid synthesis protein 5 like 2) belongs to the GCN5 family. It functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Acetylation of histones gives a specific tag for epigenetic transcription activation. GCN5L2 has been shown to interact with Ku70, TAF9, transcription initiation protein SPT3 homolog, TADA2L, Ku80 and DDB1. Recombinant human GCN5L2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques..

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 40% glycerol, 200mM NaCl, 1mM EDTA

Molecular Weight: 51.1kDa (447aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGGGSNSSLSLDSAGAEPMPGEKRTL PENLTLEDAKRLRVMGDIPMELVNEVML
TITDPAAMLGPETSLLSANAARDETARLEERRGIIEFHVIGNSLTPKANRRVLLWLVGLQNVFSHQLPRMPKEYIARL
VFDPKHKTALIKDGRVIGGICFRMFPTQGFT EIVFCAVTSNEQVKGYGTHLMNHLKEYHIKHNL YFLTYADEYAIGY
FKKQGFSKDIKVPKSRYLGYIKDYE GATLMECELNPRIPYTELSHIIKKQKEIIKKLIERKQAQIRKVYPGLSCFKEGVR
QIPVESVPGIRETGWKPLGKEKGKELKDPDQLYTTLKNLLAQIKSHPSAWPFMEPVKKSEAPDY YEIVIRFPIDLKTMT
ERLRSRYVTRKLFVADLQRVIANCREYNPPDSEYCRCSALEKFFYFKLKEGGLIDK

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.