

Recombinant Human GEMIN6 Protein (M1-Q167), Tag Free

Cat. No. GEMIN6-1260H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-GEMIN6(M1-Q167 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-Q167
Description	The SMN complex catalyzes the assembly of small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome, and thereby plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP (Sm core). In the cytosol, the Sm proteins SNRPD1, SNRPD2, SNRPE, SNRPF and SNRPG are trapped in an inactive 6S pICln-Sm complex by the chaperone CLNS1A that controls the assembly of the core snRNP. To assemble core snRNPs, the SMN complex accepts the trapped 5Sm proteins from CLNS1A forming an intermediate. Binding of snRNA inside 5Sm triggers eviction of the SMN complex, thereby allowing binding of SNRPD3 and SNRPB to complete assembly of the core snRNP.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	GEMIN6 gem (nuclear organelle) associated protein 6 [Homo sapiens (human)]
Official Symbol	GEMIN6
Synonyms	GEMIN6; gem (nuclear organelle) associated protein 6; gem-associated protein 6; FLJ23459; SIP2; gemin 6; gemin-6;
Gene ID	79833
mRNA Refseq	NM_024775
Protein Refseq	NP_079051
MIM	607006
UniProt ID	Q8WXD5

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