

PCMT, 1-227aa, Human, His tag, E.coli

Cat.NO.: TP03306

3th Edition

Synonyms:Protein-L-isoaspartate O-methyltransferase.

Description:PCMT1, also known as L-isoaspartyl protein carboxyl methyltransferase, is an enzyme that catalyses the methyl esterification of L-isoaspartyl and D-aspartyl residues in peptides and proteins that result from spontaneous decomposition of normal L-aspartyl and L-asparaginyl residues. This protein plays a role in the repair and/or degradation of damaged proteins.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Molecular Weight:28.8 kDa (263aa) confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMAWKSGGASHSELIHNLKNGIIKTDKVFVMLATDR
SHYAKCNPYMDSPQSIGFQATISAPMHAYALELLFDQLHEGAKALDVGSGSGILTACFARMVGCTGKVIKIDHIKE
LVDDSSINNRKDDPTLLSSGRVQLVVGDRMGYAEAEAPYDAIHVGAAAPVVPQALIDQLKPGGRLILPVGPAAGNQ
MLEQYDKLQDGSIKMKPLMGVIYVPLTDKEKQWSRWK

Purity:> 95% by HPLC

Concentration:1 mg/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.