

Recombinant Pseudomonas sp. Carboxypeptidase G2(cpg2)



Catalog No: #AP73698

Orders: order@abscitech.com

Package Size: #AP73698-1 10ug #AP73698-2 50ug #AP73698-3 100ug #AP73698-4 200ug #AP73698-5 500ug #AP73698-6 1mg

Support: tech@abscitech.com

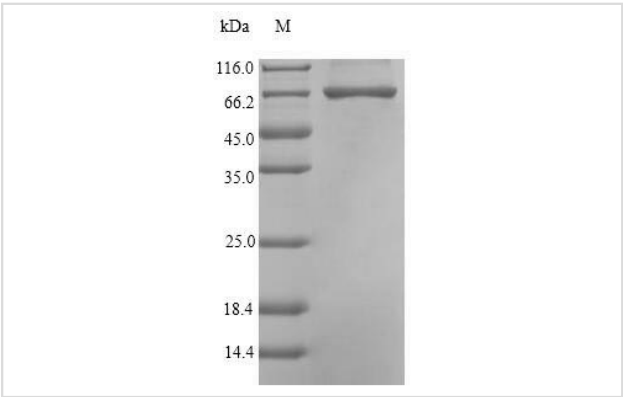
Description

Product Name	Recombinant Pseudomonas sp. Carboxypeptidase G2(cpg2)
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	cpg2
Other Names	Folate hydrolase G2Glutamate carboxypeptidasePteroylmonoglutamic acid hydrolase G2INN: Glucarpidase
Accession No.	Uniprot ID: P06621
Target Species	Pseudomonas sp. (strain RS-16)
SDS-PAGE MW	31.85kDa
Target Length	Full Length,23-415aa
Tag Info	N-terminal GST-tagged
Target Sequence	ALAQKRDNVLFQAATDEQPAVIKTLEKLVNIETGTGDAEGIAAAGNFLEAELKNLGFTVTRSKSAGLVVGDNIV GKIKGRGGKNNLLMSHMDTVYLKGILAKAPFRVEGDKAYGPGIADDKGGNAVILHTLKLKEYGVRDYGTTITVL FNTDEEKGSFGSRDLIQEEAKLADYVLSFEPTSAGDEKLSLGTSGIAYVQVNITGKASHAGAAPELGVNALVEA SDLVLRMTMNIDDKAKNLRFNWTIAKAGNVSNIIPASATLNADVRYARNEDFDAAMKLEERAQQKKLPEADVKV IVTRGRPAFNAGEGGKKLVDKAVAYYKEAGGTLGVEERTGGGTDAAYAALSGKPVIESLGLPGFGYHSDKAE YVDISAIPRRLYMAARLIMDLGAGK
Formulation	Tris-based buffer,50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



Background

Catalyzes the hydrolysis of reduced and non-reduced folates to pteroates and L-glutamate. This enzyme has a broad specificity.

References

Crystal structure of carboxypeptidase G2, a bacterial enzyme with applications in cancer therapy. Rowsell S., Pauptit R.A., Tucker A.D., Melton R.G., Blow D.M., Brick P. Structure 5:337-347(1997)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.