www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

Cyclophilin G Human

Catalog #:ENPS-470

For research use only.

Description: Cyclophilin-G Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 195amino acids (1-175 a.a.) and having a molecular mass of 21.6 kDa. Cyclophilin-G is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Synonyms: Peptidyl-prolyl cis-trans isomerase G, PPIase G, Rotamase G, PPIG, peptidylprolyl isomerase G, Cyclophilin G, Peptidyl-prolyl isomerase G, Rotamase G, Clk-associating RS-cyclophilin, CARS-cyclophilin, CARS-Cyp, SR-cyclophilin, SR-cyp, SRcyp, CASP10, CYP,

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGIKVQRPRC FFDIAINNQP AGRVVFELFS DVCPKTCENF RCLCTGEKGT GKSTQKPLHY KSCLFHRVVK DFMVQGGDFS EGNGRGGESI YGGFFEDESF AVKHNKEFLL SMANRGKDTN GSQFFITTKP TPHLDGHHVV FGQVISGQEV VREIENQKTD AASKPFAEVR ILSCG.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
Cyclophilin-G solution containing 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Cyclophilin-G is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and speeds up the protein folding. PPIG catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and is involved in the folding, transport, and assembly of proteins. PPIG is localized to the nuclear speckles, a nuclear compartment rich in splicing factors, and cooperates with the splicing factors SC35 and pinin. Cyclophilin-G also takes part in the regulation of pre-mRNA splicing.

Biological Activity:
Specific activity is > 200 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

To place an order, please Click HERE.

© 2015 NeoScientific

Copyrights @ 2013 NEO Group 245 First Street, 18th Floor, Cambridge MA 02142 888.754.5670 (toll-free)
Request a CATALOG CLICK HERE