

GRPEL1 Human

Description: GRPEL1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids (28-217a.a.) and having a molecular mass of 23.6kDa. GRPEL1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-270

For research use only.

Synonyms: HMGE, GrpE-like protein cochaperone, GREPEL1, FLJ25609.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MCTATKQKNS GQNLEEDMGQ
SEQKADPPAT EKTLLLEEKVK LEEQLKETVE KYKRALADTE NLRQRSQKLV EEAKLYGIQA
FCKDLLEVAD VLEKATQCVP KEEIKDDNPH LKNLYEGLVM TEVQIQKVFT KHGLLKLNPV
GAKFDPYEHE ALFHTPVEGK EPGTVALVSK VGYKLHGRTL RPALVGVVKE A

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The GRPEL1 protein solution (1mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0) 0.2M NaCl, 1mM DTT and 10% glycerol.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

GRPEL1 is a vital component of the PAM complex, a complex necessary for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. GRPEL1 protein controls the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins.

Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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