

RPPB2068

Product Information Protein Information

Product SKU:

RPPB2068

Accession:

P22234

Host:

E.coli.

Protein description:

PAICS Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 448 amino acids (1-425) and having a molecular mass of 49.5kDa. PAICS is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

PAICS, Phosphoribosylaminoimidazole Carboxylase Phosphoribosylaminoimidazole, Succinocarboxamide Synthetase, PAIS, AIRC, ADE2, ADE2H1, AIR Carboxylase, Multifunctional Protein ADE2, Multifunctional Protein ADE2H1, SAICAR Synthetase.

Formulation:

The PAICS solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Purity:

Greater than 90% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MGSMATAEVL NIGKKLYEGK TKEYVELLDS PGKVLLQSKD QITAGNAARK
NHLEGKAAIS NKITSCIFQL LQEAGIKTAF TRKCGETAFI APQCEMPIE WVCRRIATGS FLKRNPVKE
GYKFYPPKVE LFFKDDANND PQWSEEQLIA AKFCFAGLLI GQTEVDIMSH ATQAIFEILE KSWLPQNCTL
VDMKIEFGVD VTTKEIVLAD VIDNDSWRLW PSGDRSQQKD KQSYRDLKEV TPEGLQMVKK NFEWVAERVE
LLLKSESQCR VVLMGSTSD LGHCEKIKKA CGNFGIPCEL RVSAHKGPD ETLRIKAEYE GDGIPTVFVA
VAGRSNGLGP VMSGNTAYPV ISCPPLTPDW GVQDVWSSLR LPSGLGCSTV LSPEGSAQFA AQIFGLSNHL
VWSKLRASIL NTWISLKQAD KKIRECNL.