

Saxiphilin Protein, Aquarana catesbeiana, Recombinant (His)

General Information

Synonyms: Saxiphilin;SAX

Protein Construction: 484-844 aa

Species: Lithobates catesbeiana

Expression Host: HEK293 Cells

Accession: P31226

Molecular Weight: 43.7 kDa (predicted)

AA Sequence:

AHLPSKNKVRWCTINKLEKMKCDDWSAVSGGAIACTEASCPKGCVKQILKGEADAVKLEVQYMYEALMCGLL
PAVEEYHNKDDFGPCKTPGSPYDFGTLRAVALVKSNKDINWNNIKGKKSCHTGVGDIAGWVIVSLIRRO
NDNSDIDSFFGESCAPGSDTKSNLCKLCIGDPKNSAANTKCSLSDKEAYYGNQGAFRCLVEKGDVAFVPHTV
VFENTDGKNPAVWAKNLKSEDFELLCLDGSRAPVSNYKSKLSGIPPPAIVTREESISDVVRIVANQQSLYGRK
GFEKDMFQLFSSNKGNNLLFNDNTQCLITFDRQPKDIMEDYFGKPYTTVYGASRSAMSELISACTIKHC

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Binds specifically to the neurotoxin saxitoxin. Its physiological role may be to transport or sequester an endogenous organic molecule other than Fe(3+). It may participate in a detoxification mechanism for neutralizing a microbial toxin.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481