

Snaclec rhodocytin subunit beta Protein, Calloselasma rhodostoma, Recombinant (His & Myc)

General Information

Synonyms:	Rhodoaggrein subunit beta;Snaclec rhodocytin subunit beta;Aggrein beta chain
Protein Construction:	24-146 aa
Species:	Calloselasma rhodostoma
Expression Host:	E. coli
Accession:	Q9I840
Molecular Weight:	21.8 kDa (predicted)
AA Sequence:	DCPSGWSSYEGHCYKPFNEPKNWADAERFCKLQPKHSHLVSFQSAEEADFVVKLTRPRLKANLVWMGLSNI WHGCNWQWSDGARLNYKDWQESEQSECLAFRGVHTEWLNMDCSSTCSFVCKFKA

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:	> 85% 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

Elicits platelet aggregation by the binding to the C-type lectin domain family 1 member B (CLEC1B/CLEC2). Binding leads to tyrosine phosphorylation in the cytoplasmic tail of CLEC1B, which promotes the binding of spleen tyrosine kinase (Syk), subsequent activation of PLCγ2, and platelet activation and aggregation. Binding to GPIIb/IIIa (GP1BA) and α2/β1 (ITGA2/ITGB1) may also induce aggregation, but this is controversial.

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