

## Snaclec rhodocytin subunit alpha Protein, Calloselasma rhodostoma, Recombinant (His & SUMO)

### General Information

Synonyms:	Rhodoaggretrin subunit alpha;Aggretrin alpha chain;Snaclec rhodocytin subunit alpha
Protein Construction:	1-136 aa
Species:	Calloselasma rhodostoma
Expression Host:	E. coli
Accession:	Q9I841
Molecular Weight:	31.8 kDa (predicted)
AA Sequence:	GLEDCDFGWSPYDQHCHYQAFNEQKTWDEAEKFCRAQENGAHLASIESNGEADFVSWLISQKDELADEDYV WIGLRAQNKEQQCSSEWSDGSSVSYENLIDLHTKKCGALEKLTGFRKWWNYNYCEQMHA FVCKLLPY

### 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

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 PLC-gamma-2, and platelet activation and aggregation. Binding to GPIIb/IIIa (alpha-2beta-1) and alpha-2beta-1 (ITGA2/ITGB1) may also induce aggregation, but this is controversial.

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