

PR10A Protein, Coptis japonica, Recombinant (His & SUMO)

General Information

Synonyms:	S-norcochlorogenic acid synthase 2; Pathogenesis related protein 10A (CjPR10A); PR10A
Protein Construction:	20-196 aa
Species:	Coptis japonica
Expression Host:	E. coli
Accession:	A2A1A1
Molecular Weight:	36.0 kDa (predicted)
AA Sequence:	ERLIFNGRPLLHRVTKEETVMLYHELEVAASADEVWSVEGSPELGLHLPDLLPAGIFAKFEITGDGGECSILDMT FPPGQFPHHYREKVFVFDHKNRYKLVEQIDGDFDLGVTYYYMDTIRVVATGPDSCVIKSTTEYHVKPEFAKIVK PLIDTVPLAIMSEAIKVVLENKHKSSSE

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

Involved in the biosynthesis of the common precursor of all benzylisoquinoline alkaloids such as morphine, sanguinarine, codeine or berberine. Condenses dopamine and pyruvic acid or 4-hydroxyphenylpyruvate.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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