

SPOCK3 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	AI428471;mKIAA4039;sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3;2900045C01Rik
Protein Construction:	A DNA sequence encoding the mouse Spock3 (NP_076178.1) (Met1-Ile436) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Ala 23
Species:	Mouse
Expression Host:	Baculovirus Insect Cells
Accession:	Q8BKV0-1
Molecular Weight:	48.3 kDa (predicted)

QC Testing

Biological Activity:	Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-Leu-Arg-AMC. The IC50 value is < 15 nM.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Tris, 500 mM NaCl, 10% glycerol, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

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:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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