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32-7832: Recombinant Mouse Pulmonary Surfactant-associated Protein D/SP-D (C-6His)

Gene : Sftpd
Gene ID : 20390
Uniprot ID : P50404

Description

Source: Human Cells.
MW :36.7kD.
Recombinant Mouse Pulmonary Surfactant-associated Protein D is produced by our Mammalian expression system and the target gene encoding Ala20-Phe374 is expressed with a 6His tag at the C-terminus. SP-D (surfactant protein-D) is a 43 kDa member of the collectin family of innate immune modulators. Mouse SP-D cDNA encodes a 19 aa signal sequence and a 355 aa mature region with a 25 aa N-terminal linking-region, a 177 aa hydroxyproline and hydroxylysine collagen-like domain, a 46 aa coiled-coil segment, and a 106 aa, C-terminal collectin-like C-type lectin domain .SP-D is usually found as a glycosylated, disulfide-linked 150 kDa alpha -helical coiled-coil trimer with a Â“headÂ” of three symmetrical CRDs . SP-D also binds SIRP alpha and the calreticulin/CD91 complex on macrophages.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	AEMKSLSQRSVPNTCTLVMCSPTENGLPGRDGRDGREGPRGEKGDPGLPGPMGLSGLQGPTGPVGPKGENG SAGEPGPKGERGLSGPPGLPGIPGPAGKEGPSGKQGNIGPQGKPGPKGEAGPKGEVGAPGMQGSTGAKGSTG PKGERGAPGVQGAPGNAGAAGPAGPAGPQGAPGSRGPPGLKGDRGVPGDRGIKGESGLPDSAALRQQMEAL KGKLQRLEVAFSHYQKAALFPDGRSVGDKIFRTADSEKPFEDAQEMCKQAGGQLASPRSATENAAIQQLITAH NKAAFLSMTDVGTEGKFTYPTGEPLVYSNWAPGEPNNNGGAENCVEIFTNGQWNDKACGEQRLVICEFVDHH HHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 Ã‚Âµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.