

Recombinant Human SRCRL Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50926

Size: 10ug, 100ug

Protein Name: Soluble scavenger receptor cysteine-rich domain-containing protein SSC5D
(Soluble scavenger protein with 5 SRCR domains) (SSc5D)

Synonym: SSC5D

UniProt ID: A1L4H1

UniProt Link: www.uniprot.org/uniprotkb/A1L4H1/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 1573 AA

Molecular Weight: 166 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MRVLACLLAALVGIIQAVERLRLADGPHGCAGRLEVWHGGRWGTVCDDGWDLRDAAVACRQLGCG
GALAAPGGAFFGEGAGPVWLSELACRGNEGQLGLCHHRGWKAHICSHEEDAGVVCAGQRVANSR
DDSTSPLDGAPWPGLLLELSPSTEEPLVTHAPRPAGNPQNASRKKSPRPKQAKSTRAPLLTTGAPR
QERLRLVSGPHRCAGRLEVWHGGRWGTVCDDGWDLRDAAVACRELGC GGALAAPGGARFGPGA
GPVWMDDVGC GGGEQALRDCPRSPWGRSNC DHSEDAGLVCTGPAPRLRLADGPHGCAGRLEVW
HGGRWGSVCDDAWDLRDAAVACRELGC GGALAAPGGAFFGEGSGPIILDDLRCRGNETALRFCPA
RPWGQHDCHHREDAGAVCDGMPLGYVPPTAPTDSNNSTPREAASRPPSTMTSQAPGTAGVSPPP
ASPTVLWEPGPEAGSPQLRLVAGPSKCSGRLEVWHDQRWGTVCDDSWDMRDSAVVCRELGCGG
PQQPDPAAGRFGWGAGPIWLDDVGC VGT EASLSDCPAAPWGKHNAHNEDVGV TCTGPPGLDSI
SDPFSWSWIPGLGRDRDAWLPGELATKPSASVTASVLEKTTTKAPGKMPKSTKKWVTNAKRPTT
QPPVMPTTKHSRAQSPPDLTSQTAAALTEASRRPTSEFTRRPTTEAPQRWTSHTTATLTPQAPRE
RTTKTMAMLTQTGPQEMTSESTIKSIPQASLEPSAEIPEGSPESP KDPAPSPSVSTTGESGLFRVRLA
DGNPNCAGRLEVWHAGRWGTVCDDNWDLRDATVACWELGCGKVRPRVGKTHYGP GTGPIWLDD
MGCKGSEASLSDCPSGAWGKHNC DHEDVGLTCTGYTDYDDYPPWTWDP TSREDLAKGTTTAGV
PGHTLPWRTRRPGSSSPAIRRLPDTGSKDGYKLPWTWDP TSPGRGLAEGTPTAGKLGPTLGAGTT
RSPGSPPTLRVHGDTGSPRPKPWPERRPPRPAATRTAPPTSPGSPASPGPPGPALTS DSSRELTP
HSALTSEATSDAPDTSPPTPD PASRTNPD LILTSPDFALSTPDSSVVPALTPEPSPTPLPTLPKELTSD
PSTPSEVTSLSPTSEQVPESDTPDLDTTPYSSTVSEYSRSPDPSPSPHPTTTPDPTMAPDPITTLNP



TVTPHFPTTPHPTTTTPHPTTITHSTMIPDPTTTPQPFTTITHSTMIPDPTTTPQPFTTMQPPTTTPHSTTP
HPTTTPHPTTITHSTMIPDPTTTPQPFTTMQPPTTMPHPTTTPHPTTTPHPTTTPHPTTTPHPTMTDP
TTTPYPTTTPDPTTTPHPTTTPDPSSTPVITTVSLPTSLGTELSSPTLAPTVPKPSLHPQLTFTAPAPHTS
TSQIPTLEPSPALESSPSRSSTATSMDPLSTEDFKPPRSQSPNLTPPPTHTPHSASDLTVSPDLLSP
TAHPLDHPPLDPLTLGPTPGQSPGPHGPCVAPTPPVVRVMACEPPALVELVAAVRDVGGQLQRLTQV
VEQERQERQALLLGLTQLVEAARGLGQLGEAVKRLAEMAWTTSMAPTTTTPEEEERPLRGDV

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Soluble scavenger receptor cysteine-rich domain-containing protein SSC5D (Soluble scavenger protein with 5 SRCR domains) (SSc5D) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Binds to extracellular matrix proteins. Binds to pathogen-associated molecular patterns (PAMPs) present on the cell walls of Gram-positive and Gram-negative bacteria and fungi, behaving as a pattern recognition receptor (PRR). Induces bacterial and fungal aggregation and subsequent inhibition of PAMP-induced cytokine release. Does not possess intrinsic bactericidal activity. May play a role in the innate defense and homeostasis of certain epithelial surfaces (By similarity).

Subcellular Localization: Secreted . Cytoplasm .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.