



Recombinant Mouse SRCRL Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51737

Size: 10ug, 100ug

Protein Name: Soluble scavenger receptor cysteine-rich domain-containing protein SSC5D
(Scavenger receptor cysteine-rich domain-containing protein LOC284297 homolog)

Synonym: Ssc5d, S5D-SRCRB

UniProt ID: Q8BV57

UniProt Link: www.uniprot.org/uniprotkb/Q8BV57/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 1371 AA

Molecular Weight: 145 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MRGLACLLAMLVGIIQAIERLRLADGPHGCAGRLEVWHSGRWGTVCDGWDLRDAEVACRVLGCG
GALAAPGGAFFGEGTGPVWLSELNCRGNEGQLGICPHRGWKAHICSHEEDAGVVCVGQRAANSR
EDSMSLLDGDGPWLALSGELSPSSEEPITHAPQPAASSQNGPRKKNRPPKQTKSTRAPVLTNGAP
HQERLRLVSGPHGCAGRLEVWHGGRWGTVCDDGWDLRDAAVACRELGCGGALAAPGGARFGPG
EGPVWMDDVGCGGGEEALRDCPRSPWGRSNC DHTEDAGLVCTGPAPRIRLADGPHGCAGRLEV
WHGGRWGSVCDDAWDLRDAAVACKELGCGGALAAPGGAFFGEGTGPIILDDLRCRGNETALRFCP
ARPWGQHDCHHREDAGAVCDGMPLGAVQPTVPAVDSNSTAHRLLSTSVGQMGPAGPWPPSAS
PTAPPEPGPEAGSPQLRLVAGPSRCSGRLEVWHDGRWGTVCDDSWDMRDSAVVCRELGCGRPR
QPDPAAGRFGWGAGPIWLDDVGCMGTEASLSECPAASWGKHNCANHEDVGVCTGTGTLDTISD
PFSWSWLPGLGRDQDAWLPGELTTKPSASLTSSVPQKPTKVP GKAPKSTKKWVTKNARRPTTQPP
GMPTTKHSRAPGTPTSLHPTARTSEL PKRLTTEAPHRQTSHTTVRLTPRPVWEWTSEPVVSQSTQG
PQEVTS EATTENPQTSLEPSGENTEGSLESSQDPATTPTAGVPVPSGPFRVRLADGPNRCAGRLE
VWHAGLWGTVCDDSWDIRDATVACWELGCGKVRPRV GKTHYGP GTGPIWLDDMGCKGSEMSLS
DCPSGAWGKHNC DHEEDVVLCTGTGTD DDDYPSWTWDPTSGEDLTGKTTVAARPGHTLSWATTT
NTEVPSPATQNL PTD TDDQGGYESSWTWDTPSGRGLFKGTPTTTKPGSTVTTSTSKSPGHPFPAPR
ARAGSPRKPTPERRPLPTSATTSSPASSSSPEPSGSRQTSGSWPQLIPDSKQEGTSSSPKPSLLTP
GLPSPATFALSTPNTSLLPTRSPELSGSPTPTSPEGLTSASSMLSEVSRLSPTSELTPGPDTPAPEII
PESSDSSDLP MNTRTPTQPFTASHPTSIPQLNTTSYPTIAPQPTTNPQQPRSPHPATSPQPPTNTHP



SSTPATPTESLPSSRKTELSSPTKPRLNSELTFFEEAPSTDASQTQNLELFLASESGPSSPSPASNLDPLPTDAFKPPRSQTLHSASDHLTQGPTPNHNPDFFGPCVSPLPPVRVMACEPPALVELVGAVREVGDQLQRLTWVLEQDRQERQVLALGLAQLVEAAQGLGQLSETVKRLAEVAWPPSTPVPMTTTTEEEERP
LRGDV

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 (Scavenger receptor cysteine-rich domain-containing protein LOC284297 homolog) 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.

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.