

SEZ6/BSRP-C Protein, Human (HEK293, His)

Cat. No.:	HY-P78036
Synonyms:	SEZ-6; SEZ6; BSRPC; BSRP-C
Species:	Human
Source:	HEK293
Accession:	Q53EL9-1 (L20-H925)
Gene ID:	124925
Molecular Weight:	120-160 kDa

PROPERTIES

AA Sequence

LSLEAPT VGK	GQAPGIEETD	GELTAAPTPE	QPERGVHFVT
TAPTLKLLNH	HPLLEEF LQE	GLEKGD EELR	PALPFQPDPP
APFTPSPLPR	LANQDSRPVF	TSPTPAMA AV	PTQPQSKEGP
WSP ESESPML	RITAPLPPGP	SMAVPTL GPG	EIASTTPPSR
AWTPTQEGPG	DMGRPWVAEV	VSQGAGIGIQ	GTITSSTASG
DDEETTTTTT	IITTTITTVQ	TPGPCSWNFS	GPEGSLDSPT
DLSSPTDVGL	DCFFYISVYP	GYGVEIKVQN	ISLREGETVT
VEGLGGPDPL	PLANQSFLLR	GQVIRSP THQ	AALRFQSLPP
PAGPGTFHFH	YQAYLLSCHF	PRRPAYGDVT	VTSLHPGGSA
RFHCATGYQL	KGARHLTCLN	ATQPFWDSKE	PVCI AACGGV
IRNATTGRIV	SPGFPGNYSN	NLTCHWLLEA	PEGQRLHLHF
EKVS LAEDDD	RLIIRNGDNV	EAPPVYDSYE	VEYLP IEGLL
SSGKHFFVEL	STDSSGAAAG	MALRYEAFQQ	GHCYEPFVKY
GNFSSSTPTY	PVGTTVEFSC	DPGYTLEQGS	IIIECVDPHD
PQWNETEPAC	RAVCSGEITD	SAGVVLS PNW	PEPYGRGQDC
IWGVHVEEDK	RIMLDIRVLR	IGPGDVLTFY	DGDDL TARVL
GQYSGPRSHF	KLFTSMADVT	IQFQSDPGTS	VLGYQQGFVI
HFFEVP RNDT	CPELPEIPNG	WKSPSQPELV	HGTVVTYQCY
PGYQVVGSSV	LMCQWDLTWS	EDLPSCQRVT	SCHDPGDVEH
SRRLISSPKF	PVGATVQYIC	DQGFVLMGSS	ILTCHDRQAG
SPKWS DRAPK	CLLEQLK PCH	GLSAPENGAR	SPEKQLHPAG
ATIHFSCAPG	YVLKGQASIK	CVPGHPSHWS	DPPPICRAAS
LDGFYNSRSL	DVAKAPAASS	TLDAAH	

Biological Activity Immobilized Human SEZ6, His Tag at 0.5 µg/mL (100 µl/well) on the plate. Dose response curve for Anti-SEZ6 Antibody, hFc Tag with the EC₅₀ of 13.9 ng/mL determined by ELISA.

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.

Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

SEZ6/BSRP-C protein appears to play a crucial role in cell-cell recognition and neuronal membrane signaling. Its significance lies in maintaining a delicate balance between dendrite elongation and branching, crucial for the intricate development of a complex dendritic arbor. Moreover, SEZ6/BSRP-C protein is implicated in the establishment of proper excitatory synaptic connectivity, emphasizing its involvement in fundamental processes underlying neuronal development.

Caution: Product has not been fully validated for medical applications. For research use only.

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