Stereocilin (STRC) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Stereocilin (Strc), Recombinant Protein
Full Product Name	Recombinant Mouse Stereocilin (Strc) , partial
Product Gene Name	Strc recombinant protein
Product Synonym Gene Name	Strc
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	196,347 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8VIM6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Strc recombinant protein	This gene encodes a protein that is associated with the hair bundle of the sensory hair cells in the inner ear. The hair bundle is composed of stiff microvilli called stereocilia and is involved with mechanoreception of sound waves. This gene is part of a tandem duplication on chromosome 15; the second copy is a pseudogene. Mutations in this gene cause autosomal recessive non-syndromic deafness.
Other Notes	Small volumes of Strc recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Strc purchase	MBS1285593 is a recombinant protein targeting Strc. Also known as Recombinant Mouse Stereocilin (Strc) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Strc. It may not necessarily be applicable to this product.

NCBI GI #	120300985
NCBI GeneID	140476
NCBI Accession #	NP_536707.2
UniProt Primary Accession #	Q8VIM6
UniProt Secondary Accession #	A2ARP7
UniProt Related Accession #	Q8VIM6

GenBank Nucleotide #	NM_080459.2
NCBI Official Full Name	stereocilin
NCBI Official Synonym Full Names	stereocilin
NCBI Official Symbol	Strc
NCBI Official Synonym Symbols	DFNB16
UniProt Protein Name	Stereocilin
Protein Family	Stereocilin
UniProt Gene Name	Strc
NCBI Protein Information	stereocilin
UniProt Comments for Strc	Essential to the formation of horizontal top connectors between outer hair cell stereocilia.
Research Articles on Strc	**1.** Stereocilin was detected in association with horizontal top connectors, lateral links that join adjacent stereocilia within the outer hair cell's hair bundle
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