

Active Recombinant Mouse Syntaxin 2

Cat. No. Stx2-411M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinantmouse Stx2 protein was expressed in E. coli. Met1-Arg189.
Species	Mouse
Source	E.coli
ProteinLength	1-189 a.a.
Description	Stx2 is a type IVtransmembrane protein that is a member of the syntaxin family of tSNARE (targetSoluble NSF Attachment receptor) membrane fusion proteins. Intracellular Epimorphinfuctions as a vesicle fusion protein, but extracellular forms that areactive in morphogenesis are also found.
Form	Lyophilized from a0.2 µm filtered solution in PBS and DTT.
N-terminal Sequence	Met1
Molecular Weight	21.8 kDa
Activity	Measured by theability of the immobilized protein to support the adhesion and survival ofMv1Lu mink lung epithelial cells.The ED50 for this effect istypically 0.4-2 µg/mL.
Endotoxin Level	<1.0 EU per 1 µgof the protein by the LAL method.

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Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 250µg/mL in PBS.
Storage	Use amannual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month,2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions afterreconstitution.

GENE INFORMATION

Gene Name	Stx2syntaxin 2 [<i>Mus musculus</i>]
Official Symbol	Stx2
Synonyms	Stx2; syntaxin 2; Epim;Syn-2; repro34; AW538950; G1-536-1; OTTMUSP000000034696;OTTMUSP000000034697; OTTMUSP000000034698; syntaxin-2; epimorphin
Gene ID	13852
mRNA Refseq	NM_007941
Protein Refseq	NP_031967
UniProt ID	Q80W45
Chromosome Location	5
Pathway	SNARE interactions; Synapticvesicle cycle

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Function	SNARE binding; protein binding
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