

## Active Recombinant Mouse Syntaxin 2

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Stx2 protein was expressed in E. coli. Met1-Arg189.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Protein Length</b>	1-189 a.a.
<b>Description</b>	Stx2 is a type IV transmembrane protein that is a member of the syntaxin family of tSNARE (target Soluble NSF Attachment receptor) membrane fusion proteins. Intracellular Epimorphin functions as a vesicle fusion protein, but extracellular forms that are active in morphogenesis are also found.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS and DTT.
<b>N-terminal Sequence</b>	Met1
<b>Molecular Weight</b>	21.8 kDa
<b>Activity</b>	Measured by the ability of the immobilized protein to support the adhesion and survival of Mv1Lu mink lung epithelial cells. The ED50 for this effect is typically 0.4-2 µg/mL.
<b>Endotoxin Level</b>	<1.0 EU per 1 µg of the protein by the LAL method.

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<b>Purity</b>	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Reconstitution</b>	Reconstitute at 250µg/mL in PBS.
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">Stx2syntaxin 2 [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Stx2</a>
<b>Synonyms</b>	Stx2; syntaxin 2; Epim;Syn-2; repro34; AW538950; G1-536-1; OTTMUSP00000034696;OTTMUSP00000034697; OTTMUSP00000034698; syntaxin-2; epimorphin
<b>Gene ID</b>	<a href="#">13852</a>
<b>mRNA Refseq</b>	<a href="#">NM_007941</a>
<b>Protein Refseq</b>	<a href="#">NP_031967</a>
<b>UniProt ID</b>	<a href="#">Q80W45</a>
<b>Chromosome Location</b>	5
<b>Pathway</b>	SNARE interactions; Synapticvesicle cycle

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**Function**

SNARE binding; protein binding

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