

Product datasheet for **AM50071PU-N**

Signal sequence receptor delta (SSR4) Mouse Monoclonal Antibody [Clone ID: AT26G5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT26G5
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human SSR4 (24-144aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	signal sequence receptor subunit 4
Database Link:	Entrez Gene 6748 Human P51571



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Background:

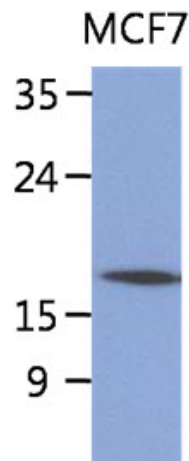
SSR4, also called TRAPD, is assumed to be involved in protein secretion. It is located in the Xq28 region, arranged in a compact head-to-head manner with the IDH3G gene. These two genes are driven by a bidirectional promoter located between them, and encode proteins involved in unrelated biochemical pathways located in different compartments of the cell. The nontranscribed intergenic region represents only 133 bp and is embedded in a CpG island. The CpG island functions as a bidirectional promoter to initiate the transcription of both functionally unrelated genes with distinct expression patterns. SSR4 consists of six exons and is approximately 70 kb telomeric to the ALD gene. Although alternative splicing of exon 5 has not been detected in human SSR4, transcript variants missing the region homologous to human exon 5 have been detected in both *Xenopus laevis* and *Mus musculus*.

Synonyms:

SSR-delta, TRAP-delta

Protein Families:

Druggable Genome

Product images:

The lysate of MCF7 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SSR4 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.