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# Product datasheet for MR224813L3V

## Hs3st5 (NM_001081208) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Hs3st5 (NM_001081208) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Hs3st5 |
| **Synonyms:** | D930005L05Rik; Gm1151; Hs3ost5 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_001081208 |
| **ORF Size:** | 1038 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR224813). |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_001081208.2, NP_001074677.1 |
| **RefSeq Size:** | 2958 bp |
| **RefSeq ORF:** | 1041 bp |
| **Locus ID:** | 319415 |
| **UniProt ID:** | Q8BSL4 |
| **Cytogenetics:** | 10 B1 |

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**Gene Summary:** Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to position 3 of glucosamine residues in heparan. Catalyzes the rate limiting step in the biosynthesis of heparan sulfate (HSact). This modification is a crucial step in the biosynthesis of anticoagulant heparan sulfate as it completes the structure of the antithrombin pentasaccharide binding site. Also generates GlcUA-GlcNS or IdoUA-GlcNS and IdoUA2S-GlcNH2 (By similarity).[UniProtKB/Swiss-Prot Function]