

# Recombinant Full Length Human MON1A Protein, GST-tagged

**Cat. No.** MON1A-6306HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Human MON1A full-length ORF ( NP_115731.1, 1 a.a. - 555 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 555 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | MON1A (MON1 Homolog A, Secretory Trafficking Associated) is a Protein Coding gene. Diseases associated with MON1A include Extrahepatic Bile Duct Adenocarcinoma and Space Motion Sickness. Among its related pathways are RAB GEFs exchange GTP for GDP on RABs and Vesicle-mediated transport. An important paralog of this gene is MON1B.                                                                                                                                                  |
| <b>Molecular Mass</b>   | 88.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MATDMQRKRSSECLDGTLPDGGQSMERAEPTPGMAQGMPEPGAGQEGAMFVH<br>ARSYEDLTESEDGAASGDSHKEGTRGPPPLPTDMRQISQDFSELSTQLTGVARDLQ<br>EEMLPGSSSEDWLEPPGAVGRPATEPPREGTTEGDEEDATEAWRLHQKHVFLSEA<br>GKPVYSRYGSEELSSMTGMVMVALVSFLEADKNAIRSIHADGYKVVFVRRSPLVLVA<br>VARTRQSAQELAQELLYIYYQILSLLTGAQLSHIFQQKQNYDLRRLLSGSEITDNLQ<br>LMARDPSFLMGAARCLPLAAVRDTSASLQQARARSLVFSILLARNQLVALVRRKD<br>QFLHPIDLHLLFNLISSSSSFREGEAWTPVCLPKFNAAGFFHAHISYLEPDTDLCLLLV<br>STDREDFFAVSDCRRRFQERLRKRGALHALREALRTPYYSVAQVGIPDLRHFLYKSK |

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|                         |                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | SSGLFTSPEIEAPYTSEEEQERLLGLYQYLHSRAHNASRPLKTIYYTGPNENLLAWVT<br>GAFELYMCYSPLGTKASAVSAIHKLMRWIRKEEDRLFILTPLTY                                         |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                  |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                             |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                           |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                    |
| <b>Gene Name</b>        | MON1A MON1 homolog A, secretory trafficking associated [ Homo sapiens (human) ]                                                                    |
| <b>Official Symbol</b>  | MON1A                                                                                                                                              |
| <b>Synonyms</b>         | MON1A; MON1 homolog A, secretory trafficking associated; SAND1; vacuolar fusion protein MON1 homolog A; MON1 secretory trafficking family member A |
| <b>Gene ID</b>          | 84315                                                                                                                                              |
| <b>mRNA Refseq</b>      | NM_001142501                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_001135973                                                                                                                                       |
| <b>MIM</b>              | 611464                                                                                                                                             |

UniProt ID

Q86VX9

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