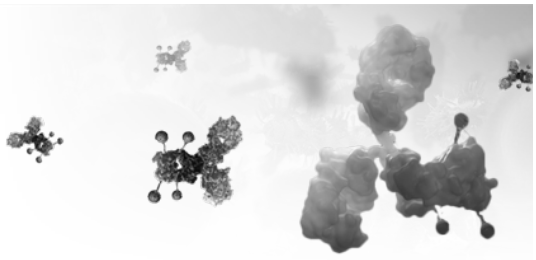

# Human IMPA2 peptide (DAG-P1699)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | This locus encodes an inositol monophosphatase. The encoded protein catalyzes the dephosphoylration of inositol monophosphate and plays an important role in phosphatidylinositol signaling. This locus may be associated with susceptibility to bipolar disorder. [provided by RefSeq, Jan 2011] |
| **Purity** | 70 - 90% by HPLC. |
| **Conjugate** | Unconjugated |
| **Sequence Similarities** | Belongs to the inositol monophosphatase family. |
| **Format** | Liquid |
| **Preservative** | None |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

## GENE INFORMATION

| | |
|---|---|
| **Gene Name** | IMPA2 inositol(myo)-1(or 4)-monophosphatase 2 [ Homo sapiens (human) ] |
| **Official Symbol** | IMPA2 |
| **Synonyms** | IMPA2; inositol(myo)-1(or 4)-monophosphatase 2; inositol monophosphatase 2; IMP 2; IMPase 2; inosine monophosphatase 2; myo-inositol monophosphatase A2; inositol monophosphatase 2 variant 1; inositol monophosphatase 2 variant 2; |
| **Entrez Gene ID** | 3613 |
| **mRNA Refseq** | NM_014214.2 |

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| | |
|---|---|
| **Protein Refseq** | NP_055029.1 |
| **UniProt ID** | O14732 |
| **Chromosome Location** | 18p11.2 |
| **Pathway** | D-myo-inositol (1,4,5)-trisphosphate degradation, organism-specific biosystem; D-myo-inositol (1,4,5)-trisphosphate degradation, conserved biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Inositol phosphate metabolism, Ins(1,3,4,5)P4 => Ins(1,3,4)P3 => myo-inositol, organism-specific biosystem; Inositol phosphate metabolism, Ins(1,3,4,5)P4 => Ins(1,3,4)P3 => myo-i |
| **Function** | inositol monophosphate 1-phosphatase activity; inositol monophosphate 3-phosphatase activity; inositol monophosphate 4-phosphatase activity; metal ion binding; protein homodimerization activity; |

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