# Recombinant Human IMP4 Protein, GST-tagged

**Cat. No.** IMP4-5146H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human IMP4 full-length ORF ( NP_219484.1, 1 a.a. - 291 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | IMP4 forms a ternary complex with IMP3 (MIM 612980) and MPP10 (MPHOSPHO10; MIM 605503) that interacts with U3 small nucleolar RNA (snoRNA), which is required for the early cleavage steps in pre-rRNA processing (Granneman et al., 2003 [PubMed 12655004]).[supplied by OMIM |
| **Molecular Mass** | 60.2 kDa |
| **AA Sequence** | MLRREARLRREYLYRKAREEAQRSAQERKERLRRALEENRLIPTELRREALALQGSL EFDDAGGEGVTSHVDDEYRWAGVEDPKVMITTSRDPSSRLKMFAKELKLVFPGAQ RMNRGRHEVGALVRACKANGVTDLLVVHEHRGTPVGLIVSHLPFGPTAYFTLCNVV MRHDIPDLGTMSEAKPHLITHGFSSRLGKRVSDILRYLFPVPKDDSHRVITFANQDDY ISFRHHVYKKTDHRNVELTEVGPRFELKLYMIRLGTLEQEATADVEWRWHPYTNTA RKRVFLSTE |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |

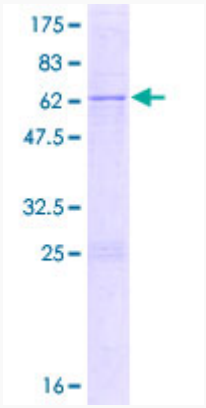
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| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | IMP4 IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast) [ Homo sapiens ] |
| **Official Symbol** | IMP4 |
| **Synonyms** | IMP4; IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast); U3 small nucleolar ribonucleoprotein protein IMP4; BXDC4; MGC19606; U3 snoRNP protein IMP4; U3 snoRNP protein 4 homolog; brix domain-containing protein 4; |
| **Gene ID** | 92856 |
| **mRNA Refseq** | NM_033416 |
| **Protein Refseq** | NP_219484 |
| **MIM** | 612981 |
| **UniProt ID** | Q96G21 |

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| **Quality Control Testing** | <br>12.5% SDS-PAGE Stained with Coomassie Blue |

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