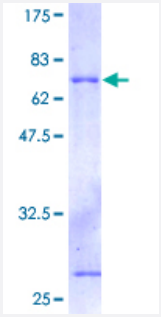
Full-Length

# DAP3 (Human) Recombinant Protein (P01)

Catalog # H00007818-P01 Size 25 ug, 10 ug

## Applications




## Specification

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| **Product Description** | Human DAP3 full-length ORF ( NP_004623, 1 a.a. - 398 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | MMLKGITRLISRIHKLDPGRFLHMGTQARQSIAAHLDNQVPVESPRAISRTNENDPAKHGDQHEGQ HYNISPQDLETVFPHGLPPRFVMQVKTFSEACLMVRKPALELLHYLKNTSFAYPAIRYLLYGEKGT GKTLSLCHVIHFCAKQDWLILHIPDAHLWVKNCRDLLQSSYNKQRFDQPLEASTWLKNFKTTNER FLNQIKVQEKYVWNKRESTEKGSPLGEVVEQGITRVRNATDAVGIVLKELKRQSSLGMFHLLVAV DGINALWGRTTLKREDKSPIAPEELALVHNLRKMMKNDWHGGAIVSALSQTGSLFKPRKAYLPQE LLGKEGFDALDPFIPILVSNYNPKEFESCIQYYLENNWLQHEKAPTEEGKKELLFLSNANPSLLERH CAYL |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 69.41 |
| **Interspecies Antigen Sequence** | Mouse (81); Rat (82) |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |

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

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — DAP3

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| **Entrez GeneID** | 7818 |
| **GeneBank Accession#** | NM_004632.1 |
| **Protein Accession#** | NP_004623 |
| **Gene Name** | DAP3 |
| **Gene Alias** | DAP-3, DKFZp686G12159, MGC126058, MGC126059, MRP-S29, MRPS29, bMRP-10 |
| **Gene Description** | death associated protein 3 |
| **Omim ID** | 602074 |
| **Gene Ontology** | Hyperlink |

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| **Gene Summary** | Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28 S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that also participates in apoptotic pathways which are initiated by tumor necrosis factor-alpha, Fas ligand, and gamma interferon. This protein potentially binds ATP/GTP and might be a functional partner of the mitoribosomal protein S27. Splice variants that differ in the 5' UTR have been found for this gene; both variants encode the same protein. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000033480\|OTTHUMP00000033481\|death-associated protein 3\|mitochondrial 28 S ribosomal protein S29 |

## Disease

- Asthma
- Genetic Predisposition to Disease
- Prostatic Neoplasms