

# Recombinant Full Length Human DEF6 Protein, GST-tagged

**Cat. No.** DEF6-2421HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DEF6 full-length ORF ( AAH17504, 1 a.a. - 336 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>    | 336 amino acids                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | DEF6, or IBP, is a guanine nucleotide exchange factor (GEF) for RAC (MIM 602048) and CDC42 (MIM 116952) that is highly expressed in B and T cells (Gupta et al., 2003 [PubMed 12923183]).[supplied by OMIM, Mar 2008]                                                                                                                                                 |
| <b>Molecular Mass</b>   | 62.7 kDa                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MALRKELLKSIWYAFTALDVEKSGKVSQSKVLKVLSHNLYTVLHIPHDPVALEEHFRDD<br>DDGPVSSQGYMPYLNKYILDKVEEGAFVKEHFDELCWTLTAKKNYRADSNGNSMLS<br>NQDAFRLWCLFNFLSEDKYPLIMVPDEVEYLLKKVLSSMSLEVSLGELEELLAQEAQ<br>VAQTTGGLSVWQFLELFNSGRCLRGVGRDRLSMAIHEVYQELIQDVLKQGYLWKRG<br>HLRRNWAERWFQLQPSCLCYFGSEECKEKRGIIPLDAHCCVEVLPDRDGKRCMFC<br>VKATATRTYEMSASDTRQRQEWTAIQMAIRLQAEGKTSLHKDLKQKRREQREQR |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                                                                      |

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### 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. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DEF6 differentially expressed in FDCP 6 homolog (mouse) [ Homo sapiens ]                                                                                                                                                                                                                     |
| <b>Official Symbol</b> | DEF6                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | DEF6; differentially expressed in FDCP 6 homolog (mouse); differentially expressed in FDCP (mouse homolog) 6; differentially expressed in FDCP 6 homolog; IBP; SLAT; SWAP 70 like adaptor protein of T cells; SWAP70L; DEF-6; IRF4-binding protein; SWAP-70-like adaptor protein of T cells; |
| <b>Gene ID</b>         | 50619                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_022047                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_071330                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>             | 610094                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | Q9H4E7                                                                                                                                                                                                                                                                                       |

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