

Recombinant Human DEF6, GST-tagged

Cat. No. DEF6-11923H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DEF6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	N-term-336a.a.
Description	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]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DEF6 differentially expressed in FDCP 6 homolog (mouse) [Homo sapiens]
Official Symbol	DEF6

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Synonyms	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;
Gene ID	50619
mRNA Refseq	NM_022047
Protein Refseq	NP_071330
MIM	610094
UniProt ID	Q9H4E7
Chromosome Location	6p21.33-p21.1
Pathway	Regulation of RAC1 activity, organism-specific biosystem; Regulation of RhoA activity, organism-specific biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem;