

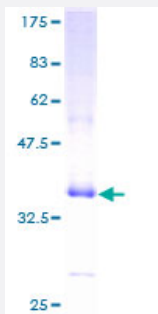
Full-Length

## DEFA1 (Human) Recombinant Protein (P01)

Catalog # H00001667-P01

Size 25 ug, 10 ug

### Applications



### Specification

Product Description	Human DEFA1 full-length ORF ( AAH27917, 1 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MRTLAILAAILLVALQAQAEPLQARADEVAAAPEQIAADIPEVVVSLAWDESLAPKHPGSRKSMD CYCRIPACIAGERRYGTCTYQGRLWAFCC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.08
Preparation Method	<a href="#">in vitro wheat germ expression system</a>
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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 — DEFA1

Entrez GeneID [1667](#)

GeneBank Accession# [BC027917](#)

Protein Accession# [AAH27917](#)

Gene Name DEFA1

Gene Alias DEF1, DEFA2, HNP-1, HP-1, MGC138393, MRS

Gene Description defensin, alpha 1

Omim ID [125220](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Defensins are a family of microbicidal and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. Several alpha defensin genes appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. It differs from defensin, alpha 3 by only one amino acid. [provided by RefSeq]

**Other Designations** OTTHUMP00000196017|defensin, alpha 1, myeloid-related sequence|defensin, alpha 2|myeloid-related sequence

## Disease

- [Genetic Predisposition to Disease](#)
- [Sepsis](#)