

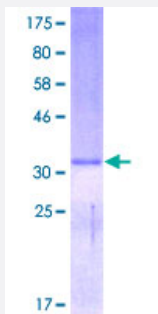
Full-Length

DEFA5 (Human) Recombinant Protein (P01)

Catalog # H00001670-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DEFA5 full-length ORF (NP_066290.1, 1 a.a. - 94 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MRTIALAAILLVALQAQAESLQERADEATTQKQSGEDNQDLAISFAGNGLSALRTSGSQARATCY CRTGRCATRESLSGVCEISGRLYRLCCR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.5
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.
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 — DEFA5

Entrez GeneID [1670](#)

GeneBank Accession# [NM_021010.1](#)

Protein Accession# [NP_066290.1](#)

Gene Name DEFA5

Gene Alias DEF5, HD-5, MGC129728

Gene Description defensin, alpha 5, Paneth cell-specific

Omim ID [600472](#)

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 of the alpha defensin genes appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 5, is highly expressed in the secretory granules of Paneth cells of the ileum. [provided by RefSeq]

Other Designations defensin 5|defensin, alpha 5|defensin, alpha 5, preproprotein

Disease

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- [Chorioamnionitis](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Dermatitis](#)
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