

Vasoactive Intestinal Peptide (VIP) Recombinant Protein | VIP recombinant protein

Recombinant Vasoactive Intestinal Peptide (VIP)

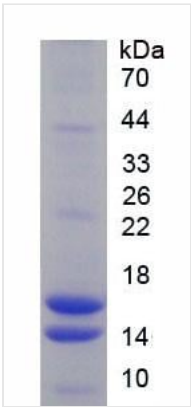
CATALOG # AAA134280	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Vasoactive Intestinal Peptide (VIP); Recombinant Vasoactive Intestinal Peptide (VIP); VIP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His-Tag, its sequence is listed below. MGHHHH HHSSEF-SV RLDDRLQFEG AGDPDQVSLK ADSILQNAL AENDTPYYDV SRNARHADGV FTSDYSRLLG QISAKKYLE LIGKRISSEI SEDPVPVKRH SDAVFTDNYT RLRKQMAVKK YLNSILNGKR SS
Sequence Length	170
Applicable Applications for VIP recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression
Residues	Ser34~Ser157 (Accession # P01283) with N-terminal His-Tag
Subcellular Location	Secreted
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	8
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

SVRLDDR LQFEGAGDPD
QVSLKADSDI LQNALAENDT PYYDVSRNAR HADGVFTSDY SRLLGQISAK
KYLESLIGKR ISSSISEDPV PVKRHSDAVF TDNYTRLRKQ MAVKKYLNSI
LNGKRSS

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	209870057
NCBI GeneID	117064
NCBI Accession #	NP_446443.1
NCBI GenBank Nucleotide #	NM_053991.1
UniProt Accession #	P01283; Q9QUN1
Molecular Weight	15.4kDa
NCBI Official Full Name	VIP peptides preproprotein
NCBI Official Synonym Full Names	vasoactive intestinal peptide
NCBI Official Symbol	Vip
NCBI Protein Information	VIP peptides; vasoactive intestinal polypeptide
UniProt Protein Name	VIP peptides
UniProt Gene Name	Vip
UniProt Synonym Gene Names	VIP
UniProt Entry Name	VIP_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.