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Product datasheet for SA6057

VHL (1-154, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	VHL (1-154, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MPRRAENWDE AEVGAEEAGV EEYGPEEDGG EESGAEESGP EESGPEELGA EEEMEAGRPR PVLRSVNSRE PSQVIFCNRS PRVVLPVWLN FDGEPQPYPT LPPGTGRRIH SYRGHLWLFR DAGTHDGLLV NQTELFVPSL NVDGQPIFAN ITLP
Tag:	His-tag
Predicted MW:	19 kDa
Concentration:	lot specific
Purity:	>95% > 95% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: PBS, 1 mM DTT, 2 mM EDTAI, pH 7.4
Preparation:	Liquid purified protein
Protein Description:	VHL beta-domain (1-154 aa), fused to HIs-tag, was overexpressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000542
Locus ID:	7428
UniProt ID:	P40337
Cytogenetics:	3p25.3
Synonyms:	Von Hippel-Lindau disease tumor suppressor

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Summary: Von Hippel-Lindau syndrome (VHL) is a dominantly inherited familial cancer syndrome predisposing to a variety of malignant and benign tumors. A germline mutation of this gene is the basis of familial inheritance of VHL syndrome. The protein encoded by this gene is a component of the protein complex that includes elongin B, elongin C, and cullin-2, and possesses ubiquitin ligase E3 activity. This protein is involved in the ubiquitination and degradation of hypoxia-inducible-factor (HIF), which is a transcription factor that plays a central role in the regulation of gene expression by oxygen. RNA polymerase II subunit POLR2G/RPB7 is also reported to be a target of this protein. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis

Product images: