

Product datasheet

Recombinant Human HIP2 protein ab73665

概述

产品名称	重组人HIP2蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Human
序列	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMANI AVQRIKREFK EVLKSEETSK NQIKVDLVDE NFTELARGEIA GPPDTPYEGG RYQLEIKIPE TYPFNPPKVR FITKIWHPNI SSVTGAICLD ILKDQWAAAM TLRTVLLSLQ ALLAAAEPDD PQDAVVANQY KQNPEMFKQT ARLWAHVYAG APVSSPEYTK KIENLCAMGF DRNAVIVALS SKSWDVETAT ELLLSN

分子量	27 kDa
氨基酸	1 to 200
标签	His tag N-Terminus
额外的序列信息	UBE2K produced in E.Coli is a single, non-glycosylated polypeptide chain containing 236 amino acids (1-200a.a.) and having a molecular mass of 26.5kDa.

技术指标

Our [Abpromise guarantee](#) covers the use of **ab73665** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
纯度	> 95 % SDS-PAGE. ab73665 is purified by proprietary chromatographic techniques. Purity is greater than 95.0% as determined by RP-HPLC and SDS-PAGE.
形式	Lyophilised

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 2.68% PBS, 0.0154% DTT

复溶

Reconstitute in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Upon reconstitution ab73665 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

常规信息

功能

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFKB1. In case of infection by cytomegaloviruses may be involved in the US11-dependent degradation of MHC class I heavy chains following their export from the ER to the cytosol. In case of viral infections may be involved in the HPV E7 protein-dependent degradation of RB1.

组织特异性

Expressed in all tissues tested, including spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, T-lymphocytes, monocytes, granulocytes and bone marrow mononuclear cells. Highly expressed in brain, with highest levels found in cortex and striatum and at lower levels in cerebellum and brainstem.

通路

Protein modification; protein ubiquitination.

序列相似性

Belongs to the ubiquitin-conjugating enzyme family.

Contains 1 UBA domain.

翻译后修饰

Sumoylation at Lys-14 impairs catalytic activity.

细胞定位

Cytoplasm.

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