

Recombinant Human Histone Deacetylase 6, GST-tagged

Cat. No. HDAC6-399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HumanHDAC6 full-length ORF (1 a.a. - 1063 a.a.) recombinantprotein with GST-tag atN-terminal expressed in vitro wheat germ.
Species	Human
Source	Wheat Germ
Description	HDAC6is an enzyme that in humans is encoded by the HDAC6 gene.
Molecular Weight	142.67kDa
Reconstitution	50 mMTris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Quality ControlTesting	12.5%SDS-PAGE Stained with Coomassie Blue.
Preparation Method	In vitrowheat germ expression system.
Purification	GlutathioneSepharose 4 Fast Flow.
Sequences of aminoacids	METTQYMN EG ELRLADTYD SVYLHPNSYS CACLASGSVL RLVDAVLGA EIRNGMAIRP PGHHAQHSLM DGYCMFNHVA VAARYAQQKH RIRRVLIVDW DVHGGQGTQF TFDQDPSVLYFSIHRYEQGR FWPHLKASNW STTGFGQGQG YTINVPWNQV GMRDADYIAA FLHVLLPVAL EFQPQLVLAAGFDALQGDP KGEMAATPAG FAQLTHLLMG LAGGKLILSL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EGGYNLRALA EGVASLHTL LGDPCPMLESPGAPCRSAQA SVSCALEALE
 PFWEVLVRST ETVERDNMEE DNVEESEE EG PWEPPVLPIL
 TWPVLQSRTGLVYDQNMNMH CNLWDSHHPE VPQRILRIMC RLEELGLAGR
 CLTLTPRPAT EAELLTCHSA EYVGHLRATEKMKKTRELHRE SSNFDSIYIC
 PSTFACAQLA TGAACRLVEA VLSGEVLNGA AVVRPPGHHA
 EQDAACGFCFFNSVAVAAH AQTISGHALR ILIVDWDVHH GNGTQHMFED
 DPSVLYVSLH RYDHGTFFPM GDEGASSQIGRAAGTGFTVN VAWNGPRMGD
 ADYLAAWHRL VLPIAYEFNP ELVLVSAGFD AARGDPLGGC
 QVSPEGYAHLTLLMGLASG RIILILEGGY NLTSISESMA ACTRSLLGDP
 PPLTLPRPP LSGALASITE TIQVHRRYWRSLRVMKVEDR EGPSSSKLVT
 KKAPQPAKPR LAERMTTREK KVLEAGMGKV TSASFGEEST
 PGQTNSETAVALTQDQPSE AATGGATLAQ TISEAAIGGA MLGQTTSEEA
 VGGATPDQTT SEETVGGAIL DQTTSEDAVGGATLGQTTSE EAVGGATLAQ
 TTSEAAMEGA TLDQTTSEEA PGGTELIQTP LASSTDHQT
 PTSPVQGTTQISPSTLIGS LRTLELGSES QGASESQAPG EENLLGEAAG
 GQDMADSMMLM QGSRGLTDQA IFYAVTPLPWCPHLVAVCPA PAAGLDVTQP
 CGDCGTIQEN WVCLSCYQVY CGRYINGHML QHHGNSGHPL
 VLSYIDLSAWCYCQAYVHH QALLDVKNIA HQNKFGEDMP HPH

Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name HDAC6 histone deacetylase 6 [Homo sapiens]

Official Symbol HDAC6

Synonyms HDAC6; histone deacetylase 6; HD6; JM21; FLJ16239; EC 3.5.1.98; KIAA0901; OTTHUMP00000032398; OTTHUMP00000197663

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Gene ID	10013
mRNA Refseq	NM_006044
Protein Refseq	NP_006035
MIM	300272
UniProt ID	Q9UBN7
Chromosome Location	Xp11.23
Pathway	Cell cycle; NOTCH1 Intracellular DomainRegulates Transcription; Signal Transduction; Signaling by NOTCH; Signalingby NOTCH1; Signaling events mediated by HDAC Class I; Signaling eventsmediated by HDAC Class II; TNF-alpha/NF-kB Signaling Pathway
Function	Hsp90 protein binding; NAD-dependenthistone deacetylase activity (H3-K14 specific); NAD-dependent histonedeacetylase activity (H3-K9 specific); NAD-dependent histone deacetylaseactivity (H4-K16 specific); actin binding; alpha-tubulin binding;beta-catenin binding; beta-tubulin binding; dynein complex binding; enzymebinding; histone deacetylase activity; histone deacetylase activity (H3-K16specific); histone deacetylase binding; hydrolase activity; metal ion binding
Rendering based on PDB 3C5K.	

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