

Recombinant Human FASTKD5, His-tagged

Cat. No. FASTKD5-81H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FAST Kinase Domain-Containing Protein 5/FASTKD5 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Leu764) of Human FASTKD5 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-764 a.a.
Description	FAST kinase domain-containing protein 5, also known as FAKD5, FAST kinase domains 5 and FASTKD5, is a member of the FAST kinase family. FASTKD5 is a mitochondrion component and contains one RAP domain. FASTKD5 has an protein kinase activity. FASTKD5 is involved in cellular respiration. Recombination human FASTKD5 is encoded by 764AA and the mature peptide is expressed from Met1 to Leu764 with a his tag at the C terminal.
AA Sequence	MAATLKSLKLVRYRAFCSPSAFGAVRSVSYWNVSSSTQHGGQDPPEHISLCHSAKKV KNIC STFS SRRILTSSAHPGLEFSKTSSSKASTLQLGSPRATGVDEEDVEVFDSFE NMRVFLQ LRPEYRVH SYNASETSQLLSVSEGELILHKVRVNQNNLQAQVIVDYLC LSSLPAEQHPV LLGSTSFALLCQ LSVKKIQLFDTQDLINVLKAFVILGIPHSMSMLDVY ETKCCHQVWEMN MDQLLLVA DLWRYLGR KVPRFLNIFSSYLNHLHWKDL SLSQLVH LIYVIGENRQVSQDLMQ KLESLILKYIDLINLEEVGT ICLGFFKSSTNLSEFVMRKIGD

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LACANIQHLSSRSLVNIV KMFRFTHVDHINFMKQIGEIAPQR IPSLGVQGVMHLLTYC
 SALRFLNEGVMNAVAASLPP RVAHCRSKDVAKILWSFGTLNYKPPNAE EFYSSLIS
 EIHRKMPEFNQYPEHLPTCLLGLA FLEYFPVELIDFALSPGFVRLAQERTKFDLLK EL
 YTLDGTVGIECPDYRGNRLSTHLQQE GSELLWYLAEKDMNSKPEFLETVFLLETML
 GGPQYV KHHMILPHTRSSDLEVQLDVNLKP LPFNREATPAENVAKLRLEHVGVS LT
 DDLMNKLLKGKARG HFQGKTESEPGQQPMELENK AAVPLGGFLCNVADKSGAME
 MAGLCPAACMQTPRMKLAVQFTNR NQYCYGSRDLLGLHNM KRRQLARLGYRVVE
 LSYWEWLPLLKRTRLEKLAFLHEKVFTSALVDHH HHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name FASTKD5 FAST kinase domains 5 [Homo sapiens]

Official Symbol FASTKD5

Synonyms FASTKD5; FAST kinase domains 5; FAST kinase domain-containing protein 5;
 FLJ13149; dJ1187M17.5; FLJ58294;

Gene ID 60493

mRNA Refseq NM_021826

Protein Refseq NP_068598

MIM 614272

UniProt ID Q7L8L6

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Chromosome Location	20p13
Function	protein kinase activity;