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USP14, 1-494aa Human, His tag, E.coli

产品货号: TP04444

第三版

别名: Ubiquitin carboxyl-terminal hydrolase 14, TGT, Ubiquitin thioesterase 14

描述: USP14 is a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Recombinant human USP14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT

分子量: 58.5 kDa (517aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMPLYSVTVKVGKEKFEGVELNTDEPPMVFKAQLFALTGVQPARQKVMVKGGLK
DDDWGNIKIKNGMTLLMMGSADALPEEPSAKTVFVEDMTEEQLASAMELPCGLTNLGNTCYMNATVQCIRSVPELKDA
LKRYAGALRASGEMASAQYITAALRDLFDSMDKTSSSIPPIILLQFLHMAFPQFAEKGEQGQYLQDANECWIQMMRVLQ
QKLEAIEDDSVKETDSSASAATPSKKSLIDQFFGVFETTMKCTESEEEVTKGKENQLQLSCFINQEVKYLFTGLKRLQ
EEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFFYKEKESVNAKVLKDVKFLMLDMYELCTPELQEKMVFSRSKFKDLE
DKKVNQQPNTSDKKSSPQKEVKYEPFSADDIGSNNGYYDLQAVLTHQGRSSSGHYVSWVKRKQDEWIKFDDDKVSI
VTPEDILRLSGGGDWHIAYVLLYGPRRVEIMEESEQ

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.