# 重组小鼠 LYST 蛋白产品说明书

## 一、产品基础信息

**货号：**REP51517

**蛋白名称**：Lysosomal-trafficking regulator (Beige protein) (CHS1 homolog)

**别名**：Lyst, Bg, Chs1

**UniProt 编号**：P97412

**UniProt 链接**：www.uniprot.org/uniprotkb/P97412/entry

**种属来源**：小鼠

**表达系统**：HEK293T 真核细胞表达系统

**序列长度**：3788 AA

**分子量**：425 KD

**蛋白标签**：C 端/His6

## 二、氨基酸序列

MSTDSNSLAREFLIDVNQLCNAVVQRAEAREEEEEETHMATLGQYLVHGRGFLLLTKLNSIIDQALTC
REELLTLLLSLLPLVWKIPVQEQQATDFNLPLSSDIILTKEKNSSLQKSTQGKLYLEGSAPSGQVSAKV
NLFRKIRRQRKSTHRYSVRDARKTQLSTSDSEGNSDEKSTVVSKHRRLHALPRFLTQSPKEGHLVA
KPDPSATKEQVLSDTMSVENSREVILRQDSNGDILSEPAALSILSNMNNSPFDLCHVLLSLLEKVCKF
DIALNHNSSLALSVVPTLTEFLAGFGDCCNQSDTLEGQLVSAGWTEEPVALVQRMLFRTVLHLMSVD
VSTAEAMPESLRKNLTELLRAALKIRACLEKQPEPFSPRQKKTLQEVQEGFVFSKYRHRALLLPELLE
GVLQLLISCLQSAASNPFYFSQAMDLVQEFIQHQGFNLFGTAVLQMEWLLTRDGVPSEAAEHLKALI
NSVIKIMSTVKKVKSEQLHHSMCTRKRHRRCEYSHFMQHHRDLSGLLVSAFKNQLSKSPFEETAEG
DVQYPERCCCIAVCAHQCLRLLQQVSLSTTCVQILSGVHSVGICCCMDPKSVIAPLLHAFKLPALKAF
QQHILNVLSKLLVDQLGGAELSPRIKKAACNICTVDSDQLAKLGETLQGTLCGAGPTSGLPSPSYRFQ
GILPSSGSEDLLWKWDALEAYQSFVFQEDRLHNIQIANHICNLLQKGNVVVQWKLYNYIFNPVLQRG
VELVHHCQQLSIPSAQTHMCSQLKQYLPQEVLQIYLKTLPVLLKSRVIRDLFLSCNGVNHIIELNYLDGI
RSHSLKAFETLIVSLGEQQKDAAVLDVDGLDIQQELPSLSVGPSLHKQQASSDSPCSLRKFYASLRE
PDPKKRKTIHQDVHINTINLFLCVAFLCVSKEADSDRESANESEDTSGYDSPPSEPLSHMLPCLSLED
VVLPSPECLHHAADIWSMCRWIYMLNSVFQKQFHRLGGFQVCHELIFMIIQKLFRSHTEDQGRRQGE
MSRNENQELIRISYPELTLKGDVSSATAPDLGFLRKSADSVRGFQSQPVLPTSAEQIVATESVPGERK
AFMSQQSETSLQSIRLLESLLDICLHSARACQQKMELELPSQGLSVENILCELREHLSQSKVAETELA
KPLFDALLRVALGNHSADLGPGDAVTEKSHPSEEELLSQPGDFSEEAEDSQCCSLKLLGEEEGYEA
DSESNPEDVDTQDDGVELNPEAEGFSGSIVSNNLLENLTHGEIIYPEICMLGLNLLSASKAKLDVLAH
VFESFLKIVRQKEKNISLLIQQGTVKILLGGFLNILTQTNSDFQACQRVLVDLLVSLMSSRTCSEDLTLL
WRIFLEKSPCTEILLLGIHKIVESDFTMSPSQCLTFPFLHTPSLSNGVLSQKPPGILNSKALGLLRRARI

SRGKKEADRESFPYRLLSSWHIAPIHLPLLGQNCWPHLSEGFSVSLVGLMWNTSNESESAAERGKR
VKKRNKPSVLEDSSFEGAEGDRPEVTESINPGDRLIEDGCIHLISLGSKALMIQVWADPHSGTFIFRV
CMDSNDDTKAVSLAQVESQENIFFPSKWQHLVLTYIQHPQGKKNVHGEISIWVSGQRKTDVILDFVL
PRKTSLSSDSNKTFCMIGHCLTSQEESLQLAGKWDLGNLLLFNGAKIGSQEAFFLYACGPNYTSIMP
CKYGQPVIDYSKYINKDILRCDEIRDLFMTKKEVDVGLLIESLSVVYTTCCPAQYTIYEPVIRLKGQVKT
QPSQRPFSSKEAQSILLEPSQLKGLQPTECKAIQGILHEIGGAGTFVFLFARVVELSSCEETQALALRV
ILSLIKYSQQRTQELENCNGLSMIHQVLVKQKCIVGFHILKTLLEGCCGEEVIHVSEHGEFKLDVESHAI
IQDVKLLQELLLDWKIWNKAEQGVWETLLAALEVLIRVEHHQQQFNIKQLLNAHVVHHFLLTCQVLQE
HREGQLTSMPREVCRSFVKIIAEVLGSPPDLELLTVIFNFLLAVHPPTNTYVCHNPTNFYFSLHIDGKIF
QEKVQSLAYLRHSSSGGQAFPSPGFLVISPSAFTAAPPEGTSSSNIVPQRMAAQMVRSRSLPAFPTY
LPLIRAQKLAASLGFSVDKLQNIADANPEKQNLLGRPYALKTSKEEAFISSCESAKTVCEMEALLGAH
ASANGVSRGSPRFPRARVDHKDVGTEPRSDDDSPGDESYPRRPDNLKGLASFQRSQSTVASLGLA
FPSQNGSAVASRWPSLVDRNADDWENFTFSPAYEASYNRATSTHSVIEDCLIPICCGLYELLSGVLL
VLPDAMLEDVMDRIIQADILLVLVNHPSPAIQQGVIKLLHAYINRASKEQKDKFLKNRGFSLLANQLYL
HRGTQELLECFVEMFFGRPIGLDEEFDLEEVKHMELFQKWSVIPVLGLIETSLYDNVLLHNALLLLLQV
LNSCSKVADMLLDNGLLYVLCNTVAALNGLEKNIPVNEYKLLACDIQQLFIAVTIHACSSSGTQYFRVI
EDLIVLLGYLHNSKNKRTQNMALALQLRVLQAALEFIRSTANHDSESPVHSPSAHRHSVPPKRRSIAG
SRKFPLAQTESLLMKMRSVASDELHSMMQRRMSQEHPSQASEAELAQRLQRLTILAVNRIIYQELNS
DIIDILRTPENTSQSKTSVSQTEISEEDMHHEQPSVYNPFQKEMLTYLLDGFKVCIGSSKTSVSKQQW
TKILGSCKETLRDQLGRLLAHILSPTHTVQERKQILEIVHEPAHQDILRDCLSPSPQHGAKLVLYLSELI
HNHQDELSEEEMDTAELLMNALKLCGHKCIPPSAPSKPELIKIIREEQKKYESEESVSKGSWQKTVN
NNQQSLFQRLDFKSKDISKIAADITQAVSLSQGIERKKVIQHIRGMYKVDLSASRHWQECIQQLTHDR
AVWYDPIYYPTSWQLDPTEGPNRERRRLQRCYLTIPNKYLLRDRQKSEGVLRPPLSYLFEDKTHSSF
SSTVKDKAASESIRVNRRCISVAPSRETAGELLLGKCGMYFVEDNASDAVESSSLQGELEPASFSWT
YEEIKEVHRRWWQLRDNAVEIFLTNGRTLLLAFDNNKVRDDVYQSILTNNLPNLLEYGNITALTNLWY
SGQITNFEYLTHLNKHAGRSFNDLMQYPVFPFILSDYVSETLDLNDPSIYRNLSKPIAVQYKEKEDRY
VDTYKYLEEEYRKGAREDDPMPPVQPYHYGSHYSNSGTVLHFLVRMPPFTKMFLAYQDQSFDIPDR
TFHSTNTTWRLSSFESMTDVKELIPEFFYLPEFLVNREGFDFGVRQNGERVNHVNLPPWARNDPRL
FILIHRQALESDHVSQNICHWIDLVFGYKQKGKASVQAINVFHPATYFGMDVSAVEDPVQRRALETMI
KTYGQTPRQLFHTAHASRPGAKLNIEGELPAAVGLLVQFAFRETREPVKEVTHPSPLSWIKGLKWGE
YVGSPSAPVPVVCFSQPHGERFGSLQALPTRAICGLSRNFCLLMTYNKEQGVRSMNNTNIQWSAIL
SWGYADNILRLKSKQSEPPINFIQSSQQHQVTSCAWVPDSCQLFTGSKCGVITAYTNRLTSSTPSEIE
MESQMHLYGHTEEITGLCVCKPYSVMISVSRDGTCIVWDLNRLCYVQSLAGHKSPVTAVSASETSG
DIATVCDSAGGGSDLRLWTVNGDLVGHVHCREIICSVAFSNQPEGVSINVIAGGLENGIVRLWSTWD
LKPVREITFPKSNKPIISLTFSCDGHHLYTANSEGTVIAWCRKDQQRVKLPMFYSFLSSYAAG

## 三、缓冲液体系

**液体剂型**：基于 PBS 缓冲体系，含 50%甘油。可根据客户需求定制甘油含量，下单时可备注特殊要求。

**冻干粉剂型**：冻干前缓冲液为含 6%海藻糖的 PBS 缓冲体系。

## 四、储存条件

产品收到后可置于-20℃或-80℃环境保存。为保障蛋白活性、避免反复冻融导致蛋白变性失活，建议分装保存，按需取用。

## 五、产品简介

本产品为 HEK293T 真核细胞表达系统制备的重组 Lysosomal-trafficking regulator (Beige protein) (CHS1 homolog)。蛋白产品适用于体外功能实验、蛋白互作研究、抗体制备及各类生物医学等科研场景。

蛋白功能：一种衔接蛋白，可调节溶酶体等细胞内囊泡的分裂和/或分裂。可能调节参与胞吐作用的效应分子的运输。在细胞毒性 T 细胞和自然杀伤（NK）细胞中，参与调节裂解颗粒的大小、数量及胞吐作用。在巨噬细胞和树突状细胞中，通过控制早期吞噬体区室向晚期吞噬体的转化来调节吞噬体成熟（PubMed:27881733）。在巨噬细胞和树突状细胞中，通过调节内体 TLR3- TICAM1/TRIF 及 TLR4-TICAM1/TRIF 信号通路，特异性参与 TLR3 和 TLR4 诱导的促炎细胞因子生成（PubMed:27881733）。

亚细胞定位：细胞质。

## 六、注意事项

- 严禁反复冻融产品，最大程度保证蛋白稳定性与生物活性。
- 若对缓冲液组分有特殊要求，请在下单时备注说明。
- 本产品仅用于科学研究，不可用于临床诊断、治疗及商业生产等用途。