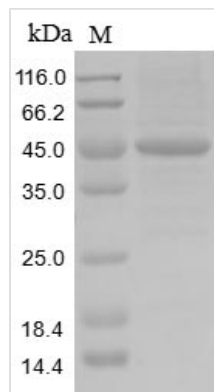




Recombinant Human Actin-like protein 8 (ACTL8)

Product Code	CSB-BP887982HU
Abbreviation	Recombinant Human ACTL8 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9H568
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAARTVIIDHSGSGLKAGTAGWNEPQMVFPNIVNYLPCKENPGPSYARRRVSL GIDICHPTDFTSYPIERGRILNWEQVQYLWSFVLENHRREQEVPPVIITETPLREP ADRKMLEILFELLHVPSVLLADQLQMSLYASGLLTGVVVDSDGYGLTRVQPFH QGRPLPASGKTLFAGQDLSAYLLKSLFKEDCDRRCLFQLETVAVTQMKNKCY VPQNLGEALDFRERQQSALDESNTYQLPDGSRVELTPMQRVAPEMFFSPQVF EQPGPSIPRAIVESVESCEISLRPLLVSVMACGGNTLYPGFTKRLFRELMGDH VSSTKATVWEGSNRNFSVWLGASVVAHLSTYQSEWMSREEYGEHMRM
Research Area	Signal Transduction
Source	Baculovirus
Target Names	ACTL8
Protein Names	Recommended name: Actin-like protein 8 Alternative name(s): Cancer/testis antigen 57 Short name= CT57
Expression Region	1-366aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	45.4 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Insertion of the gene encoding the Human ACTL8 protein (1-366aa) into a plasmid vector results in the formation of recombinant plasmid, which is then introduced into baculovirus cells. Positive baculovirus cells are selected relying on their ability to survive in the presence of a specific antibiotic. The baculovirus cells containing the recombinant plasmid are cultured under conditions conducive to the expression of the gene of interest. A N-terminal 10xHis tag and C-terminal Myc tag is attached to the protein. Following expression, the recombinant Human ACTL8 protein is isolated and purified from the cell lysate through affinity purification. The resultant recombinant Human ACTL8 protein is analyzed using denaturing SDS-PAGE, revealing a purity greater than 85%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.