



Recombinant Human Usher syndrome type-1G protein (USH1G)

| | |
|--------------------------|---|
| Product Code | CSB-EP676572HU-B |
| Abbreviation | USH1G |
| 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. | Q495M9 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MNDQYHRAAR DGYLELLKEA TRKELNAPDE DGMTPTLWAA YHGNLESLRL IVSRGGDPDK CDIWGNTPLH LAASNGHLHC LSFLVSFGAN IWCLDNDYHT PLDMAAMKGGH MECVRYLDSI AAKQSSLNPK LVGKCLKDKAF REAERRIREC AKLQRRHHER MERRYRRELA ERSDTLSFSS LTSSTLSRRL QHLALGSHLP YSQATLHGTA RGKTKMQKKL ERRKQGGEGT FKVSEDGRKS ARSLGSLQLG SDVMFVRQGT YANPKEWGRA PLRDMFLSDE DSVSRATLAA EPAHSEVSTD SGHDSLFTRP GLGTMVFRRN YLSSGLHGLG REDGGLDGVG APRGRLQSSP SLDDDSLGS NSLQDRSCGE ELPWDELDLG LDEDLEPETS PLETFLASLH MEDFAALLRQ EKIDLEALML CSDLDLRSIS VPLGPRKKIL GAVRRRRQAM ERPPALEDTE L |
| Source | E.coli |
| Target Names | USH1G |
| Protein Names | Recommended name: Usher syndrome type-1G protein Alternative name(s): Scaffold protein containing ankyrin repeats and SAM domain |
| Expression Region | 1-461 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Target Details | This gene encodes a protein that contains three ankyrin domains, a class I PDZ-binding motif and a sterile alpha motif. The encoded protein interacts with harmonin, which is associated with Usher syndrome type 1C. This protein plays a role in the development and maintenance of the auditory and visual systems and functions in the cohesion of hair bundles formed by inner ear sensory cells. Mutations in this gene are associated with Usher syndrome type 1G (USH1G). |
| 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.