

## 32-6748: FUCA1 Human

**Alternative Name :** Fucosidase, Alpha-L- 1, Tissue, Alpha-L-Fucoside Fucohydrolase 1, Alpha-L-Fucosidase 1, Alpha-L-Fucosidase I, EC 3.2.1.51, Tissue Alpha-L-Fucosidase, EC 3.2.1, FUCA, Tissue alpha-L-fucosidase.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Fucosidase Alpha-L- 1 Plasma, also known as FUCA1 is a member of the glycosyl hydrolase 29 family which is responsible for hydrolyzing the alpha-1,6-linked fucose joined to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins. Fucosidosis is an autosomal recessive lysosomal storage disease caused by the absence of alpha-L-fucosidase activity.

FUCA1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 445 amino acids (28-466a.a.) and having a molecular mass of 51.7kDa.Å (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).Å

### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 90% as determined by SDS-PAGE.

**Content :** FUCA1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** VRR AQPPRRY TPDWPSLDSR PLPAWFDEAK FGVFIHWGVF SVP AWGSEWF WWHWQGEGRP  
QYQRFMRDNY PPGFSYADFG PQFTARFFHP EEWADLFQAA GAKYVVLTTK HHEGFTNWPS  
PVSNNWNSKD VGPHRDLVGE LGTALRKRN IRYGLYHSLLE WFHPLYLLDK KNGFKTQHFV SAKTMPELYD  
LVNSYKPDLI WSDGEWECPD TYWNSTNFLS WLYNDSPVKD EVVNDRWGQ NCSCHHGGYY  
NCEDKFKPQS LPDHWEMCT SIDKFSWGYR RDMALSDVTE ESEIISELVQ TVSLGGNYLL NIGPTKDGLI  
VPIFQERLLA VGKWSLNGE AIYASKPWRV QWEKNTTSVW YTSKGSAYYA IFLHWPENG VLNLESPITTS  
TTKITMLGIQ GDLKWSTDPD KGLFISLPQL PPSAVPAEFA WTIKLTGVKH HHHHH.