

```

PREFIX up: <http://purl.uniprot.org/core/>
PREFIX glyrdf: <http://purl.jp/bio/12/glyco/glycan#>
PREFIX owl: <http://www.w3.org/2002/07/owl#>
PREFIX skos: <http://www.w3.org/2004/02/skos/core#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
SELECT  ?ProteinEntry ?ncbi_id ?protein_label ?enzyme
?cazy_id ?enzyme_label ?taxonomy ?organism ?gene ?gene_name
FROM <http://localhost:8890/longum>
WHERE {
    ?ProteinEntry a up:Protein ;
        glyrdf:is_from_source ?taxonomy ;
        up:encodedBy ?gene ;
        up:enzyme ?enzyme ;
        owl:sameAs ?ncbi_id ;
        skos:prefLabel ?protein_label .
    ?taxonomy up:scientificName ?organism.

    ?enzyme rdfs:seeAlso ?cazy_id ;
        skos:prefLabel ?enzyme_label .

    ?gene a up:Gene ;
        up:locusName ?gene_name .
}

```