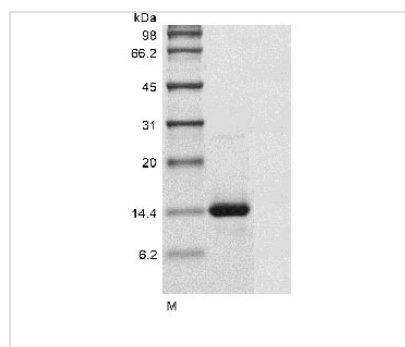




# Recombinant Human Growth/differentiation factor 7 (GDF7)(Active)

<b>Product Code</b>	CSB-AP005961HU
<b>Relevance</b>	May play an active role in the motor area of the primate neocortex.
<b>Abbreviation</b>	Recombinant Human GDF7 protein (Active)
<b>Uniprot No.</b>	Q7Z4P5
<b>Storage Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in 30 % Acetonitrile and 0.1 % TFA.
<b>Product Type</b>	Growth Factors
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by inducing alkaline phosphatase production of murine ATDC5 cells is less than 1.0 µg/ml, corresponding to a specific activity of > 1000 IU/mg.
<b>Purity</b>	≥ 95 % as determined by SDS-PAGE
<b>Sequence</b>	TALAGTRTAQ GSGGGAGRGH GRRGRSRCSR KPLHVDFKEL GWDDWIIAPL DYEAYHCEGL CDFPLRSHLE PTNHAIQTL LNSMAPDAAP ASCCVPARLS PISILYIDAA NNVVYKQYED MVVEACGCR
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.Coli
<b>Target Names</b>	GDF7
<b>Expression Region</b>	322-450aa
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	14.0 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	15815621

## Image



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

## Endotoxin

Less than 0.1 EU/ug as determined by LAL method.



## 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.