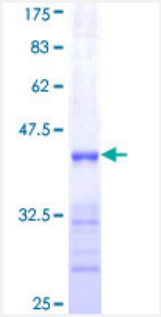
SHOX2 (Human) Recombinant Protein (Q01)

Catalog # H00006474-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SHOX2 partial ORF (NP_006875, 117 a.a. - 204 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SPELKDRKDDAKGMEDEGQTKIKQRRSRTNFTLEQLNELERLFDETHYPDAFMREELSQRLGLS EARVQVWFQNRRAKCRKQENQLHK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.42
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SHOX2

Entrez GeneID	6474
GeneBank Accession#	NM_006884
Protein Accession#	NP_006875
Gene Name	SHOX2
Gene Alias	OG12, OG12X, OGI2X, SHOT
Gene Description	short stature homeobox 2
Omim ID	602504
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the homeobox family of genes that encode proteins containing a 60-amino acid residue motif that represents a DNA binding domain. Homeobox genes have been characterized extensively as transcriptional regulators involved in pattern formation in both invertebrate and vertebrate species. Several human genetic disorders are caused by aberrations in human homeobox genes. This locus represents a pseudoautosomal homeobox gene that is thought to be responsible for idiopathic short stature, and it is implicated in the short stature phenotype of Turner syndrome patients. This gene is considered to be a candidate gene for Cornelia de Lange syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	SHOX homologous gene on chromosome 3|short stature homeobox homolog